

September 29, 1994

Mr. Lofton Carr  
US EPA Region IV  
345 Courtland Street, NE  
Atlanta, GA 30365

REC'D.

OCT 04 1994

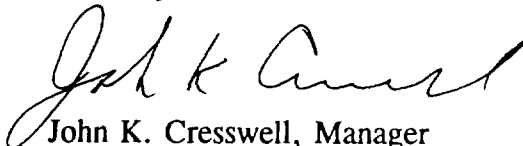
WPD-JAC

Dear Mr. Carr:

Enclosed is a copy of the Expanded Site Inspection Report for Sumter Inert Site, Sumter County (SCD 981 474 729). The Sumter Inert site is given a "low" priority for further Federal Superfund activity and will be referred to the Division of Solid Waste Management for future SCDHEC oversight.

If you have any questions please call me at (803) 734-5197.

Sincerely,



John K. Cresswell, Manager  
Site Screening Section  
Bureau of Solid & Hazardous Waste  
Management

Enclosure

JKC/dps

**EXPANDED SITE INSPECTION  
SUMTER INERT SITE  
SUMTER COUNTY  
SCD 981 474 729**

*NFRAP  
12/29/94  
Paul Boy*

**Completed By: Susan Kuhne** *Susan Kuhne*

**Reviewed By: Susan Turner** *Susan S. Turner*

**Site Screening Section**

**Bureau of Solid & Hazardous Waste Management**

**South Carolina Department of Health & Environmental Control**

**2600 Bull Street**

**Columbia, SC 29201**

**Date Completed: September 28, 1994**

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## **I. INTRODUCTION**

The Sumter Inert site is located on the outskirts of the City of Sumter, South Carolina. The site was operated as an open dump by the City of Sumter until the 1970's. Prior to 1973, liquid chemical waste from Southern Coatings, Inc. and Santee Print Works was deposited on-site. The Sumter County Public Works Department was issued a temporary permit to operate the site as a sanitary landfill from 1972 to 1973. Since that time, the site has been operated as an inert and cellulosic landfill until its closure in 1991.

Soil, groundwater, surface water, and sediment samples were collected as part of this Expanded Site Inspection. Semi-volatile and volatile organic compounds were detected in subsurface soil samples collected on-site. Groundwater samples from the on-site monitoring wells detected heavy metals above Maximum Contaminant Levels and several organic compounds. Surface water and sediment samples did not detect any contamination above background levels.

A majority of the people within a four mile radius are supplied drinking water from the City of Sumter's 17 deep public supply wells. A total of 54,493 public and private well users are supplied groundwater from within the four mile radius. No surface water intakes are located within the 15 mile downstream distance. The Green Swamp extends on both sides of the entire 15 mile water segment, the Pocotaligo River. The Green Swamp is used for recreational fishing adjacent to the site.

The Sumter Inert site is given a "low" priority for further action under the Federal Superfund program. Although there are a high number of potential targets associated with the site, sampling evidence indicates that the targets are not currently being impacted by the site. The South Carolina Department of Health and Environmental Control's Division of Solid Waste Management has been involved with the closure operations at the Sumter Inert site. Therefore, the site will be referred to the Division of Solid Waste Management.

## **II. OWNERSHIP AND SITE HISTORY**

### **A. Ownership History**

Owner: City of Sumter  
21 North Main Street  
Sumter, SC 29150  
(803) 773-3371

Operator: Sumter County Public Works  
1289 North Main Street  
Sumter, SC 29153  
(803) 773-9835

Contact: Abbas Abouhamdan, Engineer for Sumter  
County - (803) 495-3320  
(Ref. 2)



**B. Site History**

The site consists of an old city landfill that operated as a large open dump from approximately 1958 until 1972. The site operated prior to South Carolina's hazardous waste management regulations; therefore, unregulated waste disposal activities were taking place on-site (Ref. 3). An investigation conducted by Mr. Capers Dixon of SCDHEC's Wateree District revealed that large quantities of industrial chemical waste were deposited at the site prior to 1973. A company called Santee Print Works was dumping approximately 3,000 gallons per week of dye waste mixed with solvents. Southern Coatings, Inc. was dumping approximately 8,000 gallons per month of paint and solvent waste. The liquids were deposited in an on-site lagoon approximately 75 - 100 feet long and 50 feet wide. It is not known how long the companies were depositing liquid waste into the lagoon; however, Mr. Dixon suspected that the disposal activities were taking place for at least one year (Ref. 4).

The Sumter County Public Works Department was issued a temporary permit to operate the site as a sanitary landfill from August 30, 1972 - July 1, 1973. SCDHEC issued a district approval letter for the site to continue operating as an inert and cellulosic landfill (Ref. 4, 5). Disposal activities at the site ended in February 1991 (Ref. 6).

**III. SITE DESCRIPTION AND WASTE CHARACTERISTICS**

The Sumter Inert site is located in Sumter, S.C. on Cook Street approximately one block south of Green Swamp Road. The site is geographically positioned at 33 degrees, 54 minutes, 15.8 seconds north latitude and 080 degrees, 21 minutes, 38.6 seconds west longitude (Ref. 1).

The following waste sources will be used in evaluating the site:

Landfill: As part of this Expanded Site Inspection, three subsurface soil samples were collected from the landfill. The results were compared to a background soil boring collected 100 yards south of the landfill entrance across Cook Street. A complete description of each soil sample can be found in Reference 7. Table I summarizes the levels of compounds detected, and Figure 1 indicates the sampling locations. Sample SI-SB-01 is the background, and samples SI-SB-02, SI-SB-03, and SI-SB-04 were hand augered samples from the landfill (Ref. 7). The landfill is approximately 40 acres in size (Ref. 6).

Lagoon: Prior to 1973, an on-site lagoon was used for the disposal of industrial liquid waste. Santee Print Company was depositing approximately 3,000 gallons per week of liquid dye waste mixed with solvents. Southern Coatings, Inc. disposed of approximately 8,000 gallons per month of paint and solvent waste. It is assumed that these disposal activities took place for at least one year. The lagoon was approximately 75 to 100 feet long and approximately 50 feet wide (Ref. 4).

**TABLE I: SUMMARY OF COMPOUNDS DETECTED IN SOIL BORINGS**

Parameter ug/kg	Background SB-01	SB-02	SB-03	SB-04
(3- and/or 4-)				
Methyphenol	390u	120J	390u	390u
Naphthalene	390u	2100	390u	390u
2-Methylnaphthalene	390u	1100	390u	390u
Acenaphthylene	390u	200J	390u	390u
Acenaphthene	390u	4300J	390u	390u
Dibenzofuran	390u	2400	390u	390u
Fluorene	390u	4900J	390u	390u
Phenanthrene	390u	30000	390u	390u
Anthracene	390u	6400J	390u	390u
Carbazole	390u	4300	390u	390u
Fluoranthene	390u	37000	91J	390u
Pyrene	390u	28000	100J	390u
Benzo(A)Anthracene	390u	22000	390u	390u
Chrysene	390u	19000	94J	390u
Bis(2-ethylhexyl)phthalate	390u	1200J	390u	390u
Benzo(B)Fluoranthene	390u	1700	390u	390u
Benzo(A)Pyrene	390u	12000	390u	390u
Indeno (1,2,3.cd) pyrene	390u	7600J	390u	390u
Dibenzo(A,H) anthracene	390u	2000J	390u	390u
acetone	14u	130J	57	53u
toluene	12u	2J	11u	12u

(Ref. 8)

**KEY**

J - Estimated value      U - Material not detected above minimum quantitation limit.

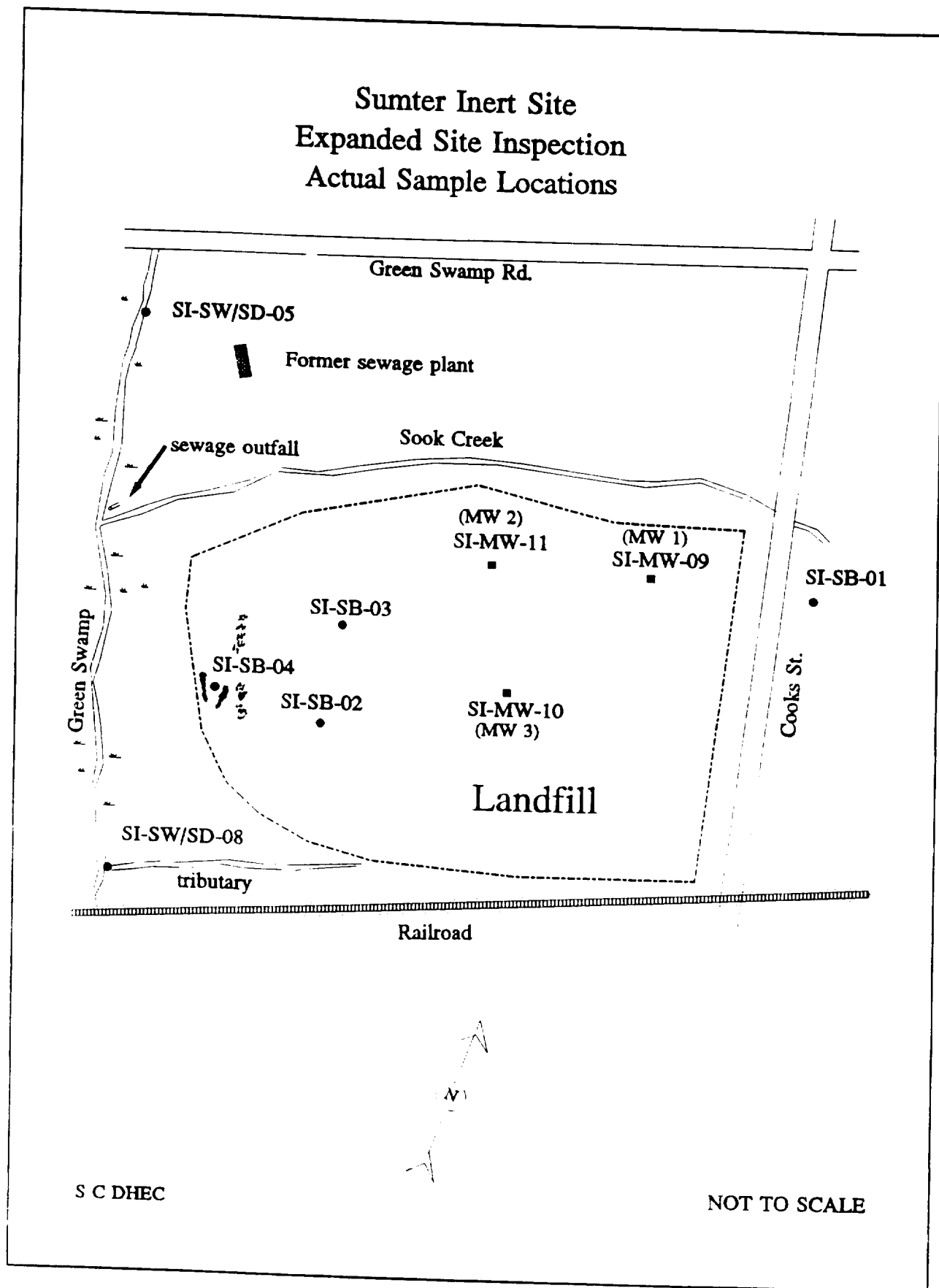


FIGURE 1:

#### IV. GROUNDWATER PATHWAY

##### A. Hydrogeology

The following geologic units underlie the Sumter Inert site:

<u>NAME</u>	<u>DESCRIPTION</u>	<u>DEPTH</u>
Shallow Aquifer	Mixture of Black Mingo, Duplin, and undifferentiated Pliocene, Pleistocene, and alluvial deposits.	50-100 feet
Black Creek	Fossiliferous, fine to medium grain light sands and dark clays.	100-525 feet
Middendorf	Light colored, feldspathic, micaceous sands interbedded with clay.	525-925 feet

(Ref. 9)

Based on topography, groundwater flow direction appears to be to the west-southwest toward Green Swamp. Soils from a trench around the site consisted of fine-grained, medium orange clayey sand with approximately 30% clay. The hydraulic conductivity of this type of sediments is  $10^{-3}$  to  $10^{-5}$  cm/sec (Ref. 9). The total annual net precipitation value for this area of South Carolina is 15 - 30 inches per year (Ref. 10). Shallow groundwater occurs at approximately 3 feet based on site auger borings. Due to the shallow nature of the aquifer, local discharge occurs to the Green Swamp while recharge occurs by precipitation (Ref. 9).

##### B. Targets

A majority of the people living within a four mile site radius are supplied drinking water from the City of Sumter's public waterlines. The City of Sumter receives its water supply from 17 groundwater wells (Ref. 11). The following table summarizes each well's distance from the site and depth below the surface.

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<u>WELL NUMBER</u>	<u>DISTANCE FROM SITE (MILES)</u>	<u>DEPTH (FEET)</u>
1	2.10	550
2	1.96	unknown
3	1.98	629
4	2.04	600
5	2.24	unknown
6	2.01	620
7	2.18	unknown
8	2.92	681
9	2.78	694
10	2.82	678
11	2.72	unknown
12	3.04	714
13	0.77	647
14	0.69	694
15	0.66	635
16	3.40	545
17	3.40	547

(Ref. 12, 13)

The City of Sumter's 17 public water wells supply approximately 47,557 people. None of the wells individually service more than 40% of the total population; therefore, the total population served will be apportioned to each well. (See Table II) (Ref. 11, 12). No contamination violations have been detected in the Sumter supply wells (Ref. 22). Private well users are identified by assuming houses not served by public water lines are supplied groundwater from private wells. The following table depicts the total number of groundwater users within the four mile site radius (Ref. 1).

**TABLE II: POPULATION SERVED BY GROUNDWATER**

<b>Radii</b>	<b>*Population Served by Public Wells</b>	<b>*Population Served by Private Wells</b>	<b>Total Population</b>
0 - 1/4	NA	29	29
1/4 - 1/2	NA	49	49
1/2 - 1	8,393	567	8,960
1 - 2	5,593	850	6,443
2 - 3	25,178	2,319	27,497
3 - 4	8,393	3,122	11,515

NA - Not Applicable

\* - Estimates based on Census Bureau data of 2.91 persons per household in Sumter County (Ref. 14).

**C. Sample Locations and Analytical Results**

As part of this Expanded Site Inspection, three of the on-site monitoring wells were sampled to determine the groundwater quality below the site. Sample SI-MW-09 was collected from Sumter Inert Monitoring Well #1 on the northeast portion of the property. Three casing volumes were purged prior to the sample collection. The sample pH was 5.34 and the turbidity was high. Sample SI-MW-10 was collected from the Sumter Inert Monitoring Well #2 at the northern portion of the site. Three casing volumes, approximately 5.5 gallons, were purged. The pH of the sample was 6.67 and the water appeared very turbid. Sample SI-MW-11 was from the Sumter Inert Monitoring Well #3 near the center of the site. Three casing volumes was also purged prior to sampling. The pH of the sample was 7.07 and the sample appeared turbid and had a slight odor (Ref. 15). The following table indicates the organic compounds detected and the metals that were above their respective Maximum Contaminant Levels (MCLs).

**TABLE III: SUMMARY OF GROUNDWATER RESULTS**

Parameter ug/l	MW-09	MW-11	MW-10
Naphthalene	10u	7J	10u
Fluoranthene	10u	2J	10u
Pyrene	10u	2J	10u
Acetone	10u	15N	10u
Carbon disulfide	10u	3J	10u
Benzene	10u	14	10u
Chlorobenzene	10u	18	10u
<b>METALS ABOVE MCLs</b>			
Arsenic	49J	50J	11J
Chromium	290J	46J	29J
Iron	170,000J	670,000J	21,000J
Lead	190J	390J	96J
Manganese	180J	1,900J	1,200J

(Ref. 8)

**KEY**

J - Estimated values

U - Material not detected above minimum quantitation limit.

## **V. SURFACE WATER PATHWAY**

### **A. Regional Characteristics**

A portion of the site is located on the banks of the Green Swamp. The Pocotaligo River flows through the Green Swamp at the site and for the remainder of the 15 mile distance limit. Based on the approximated drainage area and the regional run-off coefficient, the estimated streamflow of the Pocotaligo River is 10 - 100 cfs (Ref. 1, 16).

The site is partially located in the 100 year floodplain (Ref. 17). The two-year-24-hour rainfall estimate for Sumter County is 3.80 inches (Ref. 18).

### **B. Targets**

No intakes for public drinking water supply are located within 15 miles downstream of the site (Ref. 19). During the ESI sampling activities, evidence of fishing was noted along the railroad bridge crossing the Pocotaligo River/Green Swamp. The railroad trestle is adjacent to the site on the downgradient side (Ref. 7).

The site is bordered to the west by freshwater wetlands of the Pocotaligo River/Green Swamp. The wetlands extend on both sides of the river for the entire length of the 15 mile downstream distance limit (Ref. 1). No other sensitive environments such as endangered species are located within the fifteen miles (Ref. 19).

### **C. Sample Locations and Analytical Results**

The original sample plan for the ESI suggested that four surface water and four sediment samples be collected from the Green Swamp (Ref. 20). During the sampling activities, two of the locations were inaccessible by land or by boat due to vegetative overgrowth in the swamp. Therefore, only two surface water and two sediment samples were collected as part of this investigation (Ref. 7).

Sediment sample SI-SD-05 was collected as the control or background sample from an area upgradient of site run-off. The sample was from the Green Swamp/Pocotaligo River approximately 75 yards downstream of the Green Swamp Road bridge. Surface water sample SI-SW-05 was from the same location. Sediment Sample SI-SD-08 was collected from the Green Swamp/Pocotaligo River in an area downgradient of site runoff but upgradient of the railroad trestle bridge. The sample was collected from the bank of the river that is across from the landfill and approximately 30 feet upstream from the railroad trestle. Surface water sample SI-SW-08 was from the same location (Ref. 7).



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Two organic compounds were detected in the two sediment samples; however, the background levels were significantly above the levels of the downgradient sample. Fluoranthene was detected in SI-SD-05 at 100J ug/kg and in SI-SD-08 at 55J ug/kg. Pyrene was detected at 110J ug/kg in SI-SD-05 and 60J ug/kg in SI-SD-08. The levels of metals detected do not appear to be elevated. No compounds attributable to the site were detected above quantitation limits in the surface water samples (Ref. 8, 21).

## **VI. SOIL EXPOSURE AND AIR PATHWAYS**

Operations at the site ended in 1991, and currently there are no workers regularly at the site. No residences, schools, or daycare centers are located within 200 feet of areas of contaminated soil. Subsurface soil samples collected during this investigation detected the contamination listed in Table I (Ref. 1, 7). The Sumter County Public Works is currently working with the South Carolina Department of Health and Environmental Control's Division of Solid Waste Management, and an approved closure plan is being implemented (Ref. 5). Due to the closure and applied soil cover, potential impact to the soil and air pathways is minimal.

## **VII. CONCLUSION**

The Sumter Inert site operated as an open dump by the City of Sumter prior to the early 1970's. During that time, liquid chemical wastes from Southern Coatings, Inc. and Santee Print Works were deposited in an on-site lagoon. The unlined lagoon was approximately 75-100 feet long and 50 feet wide. The landfill is approximately 40 acres in size. Around 1972 the site was permitted to operate as a sanitary landfill for approximately one year. Since then and until 1991, the site operated as an inert and cellulosic landfill.

Groundwater and subsurface soil samples collected from on-site detected contamination due to volatile and semi-volatile organic compounds. The site is no longer operating and is being closed in accordance with a SCDHEC approved closure plan. Although there are a high number of potential targets associated with the site such as public supply wells within a four mile radius and extensive freshwater wetlands, analytical results do not indicate that the targets are being impacted. Therefore, the Sumter Inert site is given a "low" priority for further Federal Superfund activity and will be referred to the Division of Solid Waste Management for future SCDHEC oversight.

### VIII. REFERENCES

1. USGS Topographical Maps. 7.5 minute series.  
  
Sumter East, S.C. 1957 edition, photorevised 1982  
Sumter West, S. C. 1957 edition, photorevised 1982  
Privateer, S.C.  
Brogdon, S.C.
2. Williams, Jeff, SCDHEC. Summary of telephone conversation with Mr. Luke Rogers, Sumter Co. Public Works. May 4, 1987. Copy attached.
3. Cain, John D. Memorandum to USEPA Region IV regarding Sumter Inert Site. November 12, 1987. Copy attached.
4. Dixon, Capers, Wateree District EQC. Memorandum to John Cain, SCDHEC regarding Hazardous Waste Disposal - Sumter Inert. November 9, 1987. Copy attached.
5. Kuhne, Susan L., SCDHEC. Record of Communication to Sumter Inert File. Summary of Conversation with Ms. April Grunsky, SCDHEC. September 22, 1994. Copy attached.
6. Daniel, Harvey, SCDHEC. Record of Communication to Sumter Inert file. Summary of conversation with Mr. Eddie Newman, Sumter County Public Works. May 20, 1992. Copy attached.
7. Snook, Susan Kuhne, SCDHEC. Memorandum to Sumter Inert file regarding Recon and Sampling Trip report. January 13, 1994. Copy attached.
8. U.S. Environmental Protection Agency - Region IV, Environmental Services Division. Results of Sumter Inert Site Sampling. February 26, 1994. Copy attached.
9. Canova, Judy, SCDHEC. Memorandum to Mr. John Cresswell, SCDHEC regarding Sumter Inert Landfill. November 10, 1987. Copy attached.
10. U.S. EPA Hazard Ranking System. 40 CFR Part 300, Appendix A, 55FR51598. December 14, 1990.
11. SC Department of Health and Environmental Control (SCDHEC). Bureau of Drinking Water Protection. Public Water System Inventory computer printout. November 30, 1992.

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12. SCDHEC. Bureau of Drinking Water Protection. Public Water System Inventory Report. September 23, 1994. Copy attached.
13. Daniel, Harvey, SCDHEC. Memorandum to Sumter Inert Site File. Re: Location of City of Sumter Wells. May 18, 1992.
14. United States Department of Commerce - Bureau of Census. 1990. Census of Population and Housing Summary Population and Housing Characteristics of South Carolina. August 1991.
15. SCDHEC - Hydrogeology Division. Field Data Information Sheet for Groundwater Sampling. January 12, 1994. Copy attached.
16. SCDHEC. Map of projected cubic feet per second flow per square mile of drainage area. Based on 1991 USGS water monitoring data. August 1992.
17. Federal Emergency Management Agency, National Flood Insurance Program. Flood Insurance Rate Map, Sumter County, S.C. Panel No. 450182 0180 B. January 5, 1989.
18. SC Water Resources Commission. Two Year-24 Hour Rainfall Estimates. Sumter County, South Carolina.
19. SCDHEC - Bureau of Solid and Hazardous Waste Endangered Species and Surface Water Treatment Plant Intakes printout from data base. Information supplied by SC Heritage Trust Foundation and SC Water Resources Commission. 1992. Copy attached.
20. Snook, Susan K. Expanded Site Inspection - Sampling Plan. Sumter Inert Site. January 5, 1994. Copy attached.
21. U.S. EPA. Superfund Chemical Data Matrix. 1994 - Appendix B.
22. Kuhne, Susan. Record of Communication to the Sumter Inert site file. Regarding water quality in the City of Sumter's 17 public supply wells. September 28, 1994. Copy attached.

**OVERSIZED**

**DOCUMENT**

<b>RECORD OF COMMUNICATION</b>	<input checked="" type="checkbox"/> PHONE CALL <input checked="" type="checkbox"/> DISCUSSION <input type="checkbox"/> FIELD TRIP <input type="checkbox"/> CONFERENCE <input type="checkbox"/> OTHER (SPECIFY)	
(Record of item checked above)		
<b>TO:</b> Mr. Luke Rogers San Diego County Public Works Director Escondido, Cal.	<b>FROM:</b> SEP-04-87 Control Unit State Department	<b>DATE:</b> 5-04-87 <b>TIME:</b> 1:30 P.M.
<b>SUBJECT:</b> Santer Inert Landfill Operator    Partnership Information		
<b>SUMMARY OF COMMUNICATION</b> <p>On 5-04-87 I telephoned Mr. Luke Rogers of the Santer Co. Public Works Dept. regarding Mr. Rogers. The Santer County Public Works Dept. has operated this landfill from March 1971 to the present date. The County has title to the site from the City of Escondido, the site is owned and has always been owned by the City of Escondido. Prior to 1971 the City of Escondido owned and operated this facility according to Mr. Luke Rogers, Director of the Santer County Public Works Department.</p>		
<b>CONCLUSIONS, ACTION TAKEN OR REQUIRED</b>		
<b>INFORMATION COPIES TO:</b>		



# South Carolina Department of Health and Environmental Control

Ref. 3

2600 Bull Street  
Columbia, S.C. 29201

Commissioner  
Michael D. Jarrett



Moses H. Clarkson, Jr., Chairman  
Oren L. Brady, Jr., Vice-Chairman  
Guta M. Colvin, M.D., Secretary  
Harry M. Hallman, Jr.  
Henry S. Jordan, M.D.  
James A. Spruill, Jr.  
Toney Graham, Jr. M.D.

## MEMORANDUM

TO: US EPA, Region IV  
345 Courtland Street  
Atlanta, GA 30365

FROM: John D. Cain  
CERCLA Program  
SCDHEC  
2600 Bull Street  
Columbia, SC 29201

RE: Sumter Inert Site

DATE: November 12, 1987

### I. EXECUTIVE SUMMARY

The Sumter Inert Site is located on Cook Street in Sumter, South Carolina approximately 1/2 mile south of Green Swamp Road. The approximate site coordinates are latitude 33 degrees, 54 minutes and 17 seconds while the longitude is 80 degrees, 21 minutes and 33 seconds.

This site consists of an old city landfill operated from 1958-1972 as basically a large open dump, typical of many landfill operations of that time period. The site (owned by the City of Sumter throughout its history) accepted any and all types of wastes including those that would today be considered hazardous. DHEC personnel observed on numerous occasions (in the early 1970's) tanker trucks disposing of bulk liquids at this site directly onto the ground. It should be noted here that by today's standards, this would be entirely unacceptable, however, at that time there were no hazardous waste management regulations in effect in South Carolina. The specific wastes believed to have been disposed of at this site include solvents, paint sludges and print dye wastes (containing varsol, chromium and possibly trace amounts of metals). All of the materials disposed of here were apparently generated by local industry and private individuals.

According to our records, this site has accepted only inert materials (limbs, leaves, stumps, etc.) since 1973. The site has been operated by the Sumter County Public Works Department since March 1971. It was issued a temporary permit to operate as a sanitary landfill from August 30, 1972 - July 1, 1973; this permit was never renewed. The site is still in use today, but as mentioned earlier, now accepts only inert and cellulosic materials.





We conducted a CERCLA Screening Site Inspection (SSI) at this site on Wednesday, September 30, 1987. We met Capers Dixon, DHEC Wateree District Consultant and Mark Blackmon, DHEC Wateree District Director, at the site around 1:30 p.m. The weather was clear and warm. We collected one soil sediment sample from the back (western) portion of the landfill, and sent it to our Central Laboratory for analysis.

The general topography of the area is flat, the soil in the area is generally sandy and the site is located very close to a swamp.

I recommend that this site receive a "High" priority for future action, which should include an expanded site inspection. At that time additional samples should be collected (sediment and stream) and several groundwater monitoring wells should be installed, into both the shallow and deep aquifers. The new data gathered from these operations will allow us to assess the site's impact on the local environment, and to also determine whether or not the shallow and deeper aquifers are hydrologically connected.

## II. BACKGROUND, SITE SPECIFICS

### A. Location

The Sumter Inert site is located in Sumter, S. C. on Cook Street 1/2 mile south of Green Swamp Road. The site coordinates are latitude 33 degrees, 54 minutes, and 17 seconds while the longitude is 80 degrees, 21 minutes, and 33 seconds.

### B. Site Layout

The site topography is relatively flat with area soils primarily sandy. The site is bounded on the Southwest by Green Swamp and on the North by Sooks Branch. The road into the site is secured by a gate and this gate is locked nightly or whenever the inert landfill is not in operation.

In order to be certain of the impact that contaminants from this site have had on area groundwater, it will be necessary to have additional monitoring wells installed around the perimeter of the landfill. At this time, we have recent (1986) results from only one monitoring well located on the Southern portion of the landfill. This well is sampled periodically by Wateree District personnel, however, it is only 14 feet deep, slow to recharge and very difficult to sample properly for volatile organics. The samples from this well do show slight contamination with lead and iron, but no volatile organics. Based on the known history of past disposal practices at this site we would expect the shallow groundwater to show significant contamination with volatile organics, however, until we have more extensive groundwater samples, we cannot be certain of this. We are certain that the soil in some areas of the site are in fact saturated with volatile organics. This was confirmed in 1981 when a workman was overcome by fumes emanating from freshly dug soil (along the southern edge of the site) as a sewer line was being installed.



C. Ownership History

The Sumter Inert Site owner is the City of Sumter, their address is 115 North Harvin Street, Sumter, S.C. 29150. The City of Sumter has been the site owner throughout this property's history as a "landfill".

D. Site Use History

The Sumter Inert Site started out as the City of Sumter Landfill in 1958 when the city dump was moved from the Rittenburg Brickyard to the Cook Street location. It was owned and operated by the City of Sumter from 1958 until the Spring of 1971. During that time, the site accepted any and all types of wastes including those that would today be considered hazardous.

The Sumter County Public Works Department took over operation of the site in March 1971. The site continued to accepted all types of waste until the new Sumter County Landfill was opened in December 1973. From 1973 to the present, the Cook Street site has operated as an inert landfill accepting only inert and cellulosic materials.

E. Permit and Regulatory History

This site was issued a temporary permit to operate as a sanitary landfill dated August 30, 1972 to July 1, 1973. The site was not issued any other environmental permits nor was it the subject of any DHEC enforcement actions (primarily due to the fact that the landfill predated many of our regulations).

F. Remedial Actions to Date

A search of our files does not indicate any remedial actions performed at this site other than daily maintenance of the working face by earth moving equipment.

G. Summary Trip Report

We conducted a Screening Site Inspection (SSI) at Sumter Inert on Wednesday, September 30, 1987. Our team consisted of:

Myself - On-Scene Coordinator  
Charles S. Strange - Site Safety Officer  
Judy Canova - Geologist  
Helen McGill - Documentation  
Craig Dukes - Decontamination  
Gerald Stewart - Decontamination

We met Capers Dixon, Wateree District Consultant and Mark Blackmon, Wateree District Director on site around 1:30 p.m. The weather was clear and warm. We were interested in collecting one sediment sample, so after a file search, we tried to target an area that would be the most likely to show contamination. The area where the workman was overcome by organic fumes, on the southern portion of the site, seemed to be our best bet. Charles Strange, Mark Blackmon, Capers Dixon and myself proceeded to the area where



the sewer line is buried and augered approximately one foot down, testing the excavated soil with the HNU photoionizer. We dug approximately 15-20 holes in an effort to get an HNU reading and were unsuccessful in that area. We decided to move approximately 400 feet north to an area at the back of the landfill located downgradient from the area where bulk liquids had been disposed of in the past. We augered two holes and the sediment excavated from both gave us small HNU readings. We then collected the sediment sample from the second hole we had augered at this spot, and sent the samples to our Central Laboratory for analysis.

We observed inert materials being deposited at the site by individuals and some local businesses as well.

#### H. Apparent Seriousness of Problem

At this time, we do not have nearly as much groundwater monitoring data for this site as we would like. The site had two very shallow monitoring wells, however, one of the wells has been lost over the years. Sample results from the remaining well shows slight lead and iron contamination. The fact that samples from this well (that is only 12-14 feet deep) do not show volatile organic contamination can most probably be attributed to the incorrect sampling technique used by the personnel collecting the samples.

It is my opinion that the potential impact this site could have on Sumter residents should not be understated. There were very significant quantities of liquid industrial waste deposited here from 1958-1971, before the advent of hazardous waste management regulations. Conservative estimates for the amount of liquids deposited here are upwards of 500,000 gallons over this thirteen year period. This site started out as an open dump and obviously has never had any liner or leachate collection system, therefore, any liquids that did not evaporate while on the surface have in all likelihood migrated downward into the area groundwater. Sumter residents are heavily dependent on groundwater, in fact all municipal water supplies come from wells located within the three mile radius of this site. Although most of public supply wells draw from the deeper aquifers, contaminants from this site could eventually migrate downward and contaminate those aquifers. In addition to the groundwater pathway, contaminants may also migrate to the surface water of nearby Sooks Branch and Green Swamp.

I recommend that this site receive a "High" priority for future action, which should include an expanded site inspection. At that time, additional samples should be collected (sediment, stream) and several groundwater monitoring wells should be installed, into both the shallow and deep aquifers. The new data gathered from these operations will allow us to assess the site's impact on the local environment, and to also determine whether or not the shallow and deeper aquifers are hydrologically connected.





POTENTIAL HAZARDOUS WASTE SITE  
SITE INSPECTION REPORT  
PART 1 - SITE LOCATION AND INSPECTION INFORMATION

I. IDENTIFICATION

01 STATE | 02 SITE NUMBER

SC | D981474729

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site)		02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER			
Sumter Inert		5 miles south of Green Swamp Rd. on Cook St.			
03 CITY	04 STATE	05 ZIP CODE	06 COUNTY	07 COUNTY CODE	08 CONG. DIST.
Sumter	SC	29150	Sumter	085	
09 COORDINATES LATITUDE 33° 54' 17.7		LONGITUDE 80° 21' 33.7W		10 TYPE OF OWNERSHIP (Check one): <input type="checkbox"/> A. PRIVATE <input type="checkbox"/> B. FEDERAL <input type="checkbox"/> C. STATE <input type="checkbox"/> D. COUNTY <input checked="" type="checkbox"/> E. MUNICIPAL <input type="checkbox"/> F. OTHER <input type="checkbox"/> G. UNKNOWN	

III. INSPECTION INFORMATION

01 DATE OF INSPECTION 9 30 87 MONTH DAY YEAR	02 SITE STATUS <input checked="" type="checkbox"/> ACTIVE <input type="checkbox"/> INACTIVE	03 YEARS OF OPERATION 1958 1973 1974-present inert materials only BEGINNING YEAR ENDING YEAR
--	---	--

04 AGENCY PERFORMING INSPECTION (Check all that apply)

<input type="checkbox"/> A. EPA	<input type="checkbox"/> B. EPA CONTRACTOR	<input type="checkbox"/> C. MUNICIPAL	<input type="checkbox"/> D. MUNICIPAL CONTRACTOR
<input checked="" type="checkbox"/> E. STATE	<input type="checkbox"/> F. STATE CONTRACTOR	<input type="checkbox"/> G. OTHER	

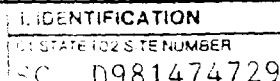
05 CHIEF INSPECTOR John Cain	06 TITLE Environmental Quality Manager (EOM)	07 ORGANIZATION SCDHEC	08 TELEPHONE NO. 803 734-5200
09 OTHER INSPECTORS Charlie Strange	10 TITLE Environmental Quality Manager	11 ORGANIZATION SCDHEC	12 TELEPHONE NO. 803 734-5200
Helen McGill	Environmental Quality Manager	SCDHEC	803 734-5200
Judy Canova	Geologist	SCDHEC	803 734-5200
Gerald Stewart	Environmental Quality Manager	SCDHEC	803 734-5200
Craig Dukes	Environmental Quality Manager	SCDHEC	803 734-5200

13 SITE REPRESENTATIVES INTERVIEWED	14 TITLE	15 ADDRESS	16 TELEPHONE NO.
			( )
			( )
			( )
			( )
			( )
			( )
			( )

17 ACCESS GAINED BY (Check one) <input checked="" type="checkbox"/> PERMISSION <input type="checkbox"/> WARRANT	18 TIME OF INSPECTION Sept. 30, 1987 2:15 PM	19 WEATHER CONDITIONS Clear and Warm
---	--	---

IV. INFORMATION AVAILABLE FROM

01 CONTACT Joan Cain	02 OF (Agency/Organization) SCDHEC-Solid & Hazardous waste	03 TELEPHONE NO. 803 734-5200
04 PERSON RESPONSIBLE FOR SITE INSPECTION FORM Helen McGill	05 AGENCY SCDHEC	06 ORGANIZATION BSHWM
	07 TELEPHONE NO. (803) 734-5200	08 DATE 11 4 87 MONTH DAY YEAR



### III. WASTE TYPE

IV. HAZARDOUS SUBSTANCES (See Appendix for most frequently cited CAS Numbers)V. FEEDSTOCKS (See Appendix for CAS Numbers)VI. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis reports)

SCDHEC sample results (9/21/86 and 6/29/81). Record of communication dated Nov. 5, 1987 between Bill Boswell, Santee Print and Helen McGill, SCDHEC, memorandum dated Nov. 10, 1987 from R. Lewis Shaw, Deputy Commissioner, Environmental Quality Control to Sumter Inert File, record of communication dated Nov. 12, 1987 between Roy McLaurin, Southern Coating, and Helen McGill concerning composition of wastes.





POTENTIAL HAZARDOUS WASTE SITE  
SITE INSPECTION REPORT

PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE SC 02 SITE NUMBER D981474729

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 ☒ A. GROUNDWATER CONTAMINATION 02 ☒ OBSERVED (DATE: 10/21/86) ☐ POTENTIAL ☐ ALLEGED  
03 POPULATION POTENTIALLY AFFECTED: 3511 04 NARRATIVE DESCRIPTION

Sampling of monitoring well on site by SCDHEC on 10/21/86 revealed elevated levels of the heavy metal lead (well - 14 ft. deep).

01 ☐ B. SURFACE WATER CONTAMINATION 02 ☐ OBSERVED (DATE: ) ☒ POTENTIAL ☐ ALLEGED  
03 POPULATION POTENTIALLY AFFECTED: Unknown? 04 NARRATIVE DESCRIPTION

Potential for waste materials to leach from the landfill into nearby surface water of Green Swamp Creek exists.

01 ☐ C. CONTAMINATION OF AIR 02 ☐ OBSERVED (DATE: ) ☐ POTENTIAL ☐ ALLEGED  
03 POPULATION POTENTIALLY AFFECTED: Unknown 04 NARRATIVE DESCRIPTION

No contamination of air has been observed by SCDHEC personnel who have made numerous inspections at the site.

01 ☒ D. FIRE/EXPLOSIVE CONDITIONS 02 ☐ OBSERVED (DATE: ) ☐ POTENTIAL ☒ ALLEGED  
03 POPULATION POTENTIALLY AFFECTED: Unknown 04 NARRATIVE DESCRIPTION

In years past, several incidents of small brush fires have been reported

01 ☐ E. DIRECT CONTACT 02 ☐ OBSERVED (DATE: ) ☒ POTENTIAL ☐ ALLEGED  
03 POPULATION POTENTIALLY AFFECTED: Unknown 04 NARRATIVE DESCRIPTION

Potential for direct contact is not likely unless excavation into the waste is attempted. (See worker exposure/injury).

01 ☐ F. CONTAMINATION OF SOIL 02 ☐ OBSERVED (DATE: ) ☒ POTENTIAL ☐ ALLEGED  
03 AREA POTENTIALLY AFFECTED: Unknown (Across) 04 NARRATIVE DESCRIPTION

Liquid industrial waste routinely disposed at this unlined landfill has potentially contaminated soils on site.

01 ☒ G. DRINKING WATER CONTAMINATION 02 ☐ OBSERVED (DATE: ) ☒ POTENTIAL ☐ ALLEGED  
03 POPULATION POTENTIALLY AFFECTED: 3511 04 NARRATIVE DESCRIPTION

Potential for contamination of the shallow aquifer exists since most private wells in the area are less than 100 feet in depth. Lead contamination found in monitoring well on landfill site.

01 ☒ H. WORKER EXPOSURE/INJURY 02 ☒ OBSERVED (DATE: 10/80) ☐ POTENTIAL ☐ ALLEGED  
03 WORKERS POTENTIALLY AFFECTED: One 04 NARRATIVE DESCRIPTION

Past excavations to install a sewer line through the lower southwestern portion of the landfill resulted in the discovery of paint sludges and the solvents. One worker helping to install the sewer line was overcome by fumes emitted by the waste materials.

01 ☐ I. POPULATION EXPOSURE/INJURY 02 ☐ OBSERVED (DATE: ) ☐ POTENTIAL ☐ ALLEGED  
03 POPULATION POTENTIALLY AFFECTED: 2685 04 NARRATIVE DESCRIPTION

No population exposure injury has been observed by SCDHEC personnel.



POTENTIAL HAZARDOUS WASTE SITE  
SITE INSPECTION REPORT  
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE 02 SITE NUMBER  
SC ID981474729

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 ☐ J. DAMAGE TO FLORA 02 ☐ OBSERVED (DATE \_\_\_\_\_) ☒ POTENTIAL ☐ ALLEGED  
04 NARRATIVE DESCRIPTION

Cypress and tupelo trees within the swamp area of the landfill could be potentially affected by landfill operations

01 ☐ K. DAMAGE TO FAUNA 02 ☐ OBSERVED (DATE \_\_\_\_\_) ☐ POTENTIAL ☐ ALLEGED  
04 NARRATIVE DESCRIPTION (include name(s) of species)

No damage to any fauna within the immediate area has been observed by SCDHEC personnel.

01 ☐ L. CONTAMINATION OF FOOD CHAIN 02 ☐ OBSERVED (DATE \_\_\_\_\_) ☐ POTENTIAL ☐ ALLEGED  
04 NARRATIVE DESCRIPTION

No contamination of food chain has been observed to date.

01 ☒ M. UNSTABLE CONTAINMENT OF WASTES 02 ☐ OBSERVED (DATE 3/3/10) ☐ POTENTIAL ☐ ALLEGED  
(Spills, Runoff, Standing liquids, Leaking drums)  
03 POPULATION POTENTIALLY AFFECTED Unknown 04 NARRATIVE DESCRIPTION

Prior to 1973 liquid industrial waste was routinely dumped into an unlined lagoon located within the landfill.

01 ☐ N. DAMAGE TO OFFSITE PROPERTY 02 ☐ OBSERVED (DATE \_\_\_\_\_) ☐ POTENTIAL ☐ ALLEGED  
04 NARRATIVE DESCRIPTION

No damage to offsite property has been reported based on previous site visits by SCDHEC personnel.

01 ☐ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs 02 ☐ OBSERVED (DATE \_\_\_\_\_) ☐ POTENTIAL ☐ ALLEGED  
04 NARRATIVE DESCRIPTION

None known.

01 ☒ P. ILLEGAL/UNAUTHORIZED DUMPING 02 ☒ OBSERVED (DATE 3/3/12) ☐ POTENTIAL ☐ ALLEGED  
04 NARRATIVE DESCRIPTION

Prior to the closure of this landfill in 1973 indiscriminate dumping of liquid and industrial waste was routinely reported.

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS

Potential for ground-water, surface water and sediments to become contaminated as a result of dumping practices from the past.

III. TOTAL POPULATION POTENTIALLY AFFECTED: 31,035

IV. COMMENTS

Recommend that a ground-water monitoring program be implemented at the site.

V. SOURCES OF INFORMATION (Cite specific references e.g. state files, sample analysis reports)

SCDHEC sample analysis, 10/29/86. SCDHEC CERCLA files. SCDHEC Wateree District files.



POTENTIAL HAZARDOUS WASTE SITE  
SITE INSPECTION  
PART 4 - PERMIT AND DESCRIPTIVE INFORMATION

I. IDENTIFICATION

01 STATE 02 SITE NUMBER  
SC D981474729

II. PERMIT INFORMATION

01 TYPE OF PERMIT ISSUED (Check all that apply)	02 PERMIT NUMBER	03 DATE ISSUED	04 EXPIRATION DATE	05 COMMENTS
<input type="checkbox"/> A. NPDES				
<input type="checkbox"/> B. UIC				
<input type="checkbox"/> C. AIR				
<input type="checkbox"/> D. RCRA				
<input type="checkbox"/> E. RCRA INTERIM STATUS				
<input type="checkbox"/> F. SPCC PLAN				
<input type="checkbox"/> G. STATE (Specify)				
<input type="checkbox"/> H. LOCAL (Specify)		8/30/72	-	
<input type="checkbox"/> I. OTHER (Specify)		7/1/73	temporary	
<input type="checkbox"/> J. NONE				

III. SITE DESCRIPTION

01 STORAGE/ DISPOSAL (Check all that apply)	02 AMOUNT	03 UNIT OF MEASURE	04 TREATMENT (Check all that apply)	05 OTHER
<input type="checkbox"/> A. SURFACE IMPOUNDMENT			<input type="checkbox"/> A. INCINERATION	<input checked="" type="checkbox"/> A. BUILDINGS ON SITE
<input type="checkbox"/> B. PILES			<input type="checkbox"/> B. UNDERGROUND INJECTION	
<input type="checkbox"/> C. DRUMS, ABOVE GROUND			<input type="checkbox"/> C. CHEMICAL/PHYSICAL	one
<input type="checkbox"/> D. TANK, ABOVE GROUND			<input type="checkbox"/> D. BIOLOGICAL	06 AREA OF SITE
<input type="checkbox"/> E. TANK, BELOW GROUND			<input type="checkbox"/> E. WASTE OIL PROCESSING	2.5 (Acres)
<input checked="" type="checkbox"/> F. LANDFILL	910,000	Gallons	<input type="checkbox"/> F. SOLVENT RECOVERY	
<input type="checkbox"/> G. LANDFARM			<input type="checkbox"/> G. OTHER RECYCLING/RECOVERY	
<input type="checkbox"/> H. OPEN DUMP			<input type="checkbox"/> H. OTHER (Specify)	
<input type="checkbox"/> I. OTHER (Specify)				

07 COMMENTS

Unpermitted landfill that routinely was used to indiscriminately dump solvents and paint dyes. In 1973 when this problem became apparent, a temporary permit was granted until another landfill could be found to accept these wastes.

IV. CONTAINMENT

01 CONTAINMENT OF WASTES (Check one)

☐ A. ADEQUATE, SECURE    ☐ B. MODERATE    ☒ C. INADEQUATE, POOR    ☐ D. INSECURE, UNSOUND, DANGEROUS

02 DESCRIPTION OF DRUMS, DIKING, LINERS, BARRIERS, ETC.

Unlined landfill with inadequate cover and no leachate collection system.

V. ACCESSIBILITY

01 WASTE EASILY ACCESSIBLE: ☒ YES ☐ NO

02 COMMENTS

Landfill cover believed to be only 6 inches in certain areas.

VI. SOURCES OF INFORMATION (Cite specific references, e.g. state files, sample analysis reports)

SCDHEC files (Bureau of Solid & Hazardous Waste Management) CERCLA files  
Personal communication dated with Capers Dixon, Wateree District and  
Lee Rawl, Bureau of Solid and Hazardous Waste Management.



POTENTIAL HAZARDOUS WASTE SITE  
SITE INSPECTION REPORT  
PART 5 - WATER, DEMOGRAPHIC, AND ENVIRONMENTAL DATA

IDENTIFICATION

01 STATE 02 SITE NUMBER  
SC 10981474729

II. DRINKING WATER SUPPLY

01 TYPE OF DRINKING SUPPLY  
(Check as applicable)

SURFACE WELL  
COMMUNITY A ☐ B ☒  
NON-COMMUNITY C ☐ D ☒

02 STATUS

ENDANGERED AFFECTED MONITORED  
A ☒ B ☐ C ☒  
D ☒ E ☐ F ☐

03 DISTANCE TO SITE

A 38 (mi)  
B 38 (mi)

III. GROUNDWATER

01 GROUNDWATER USE IN VICINITY (Check one)

☒ A ONLY SOURCE FOR DRINKING ☐ B DRINKING  
(Other sources available)  
COMMERCIAL INDUSTRIAL IRRIGATION  
(No other water sources available)  
☐ C COMMERCIAL INDUSTRIAL IRRIGATION  
(Limited other sources available)  
☐ D NOT USED, UNUSEABLE

02 POPULATION SERVED BY GROUNDWATER  
Deeper aquifer - 57,800  
Shallow aquifer - 511

03 DISTANCE TO NEAREST DRINKING WATER WELL 38 (mi)

04 DEPTH TO GROUNDWATER

3 (ft)

05 DIRECTION OF GROUNDWATER FLOW

W/SW P East

06 DEPTH TO AQUIFER  
OF CONCERN

3 (ft)

07 POTENTIAL YIELD  
OF AQUIFER

645,000 (gpd)

08 SOLE SOURCE AQUIFER

☒ YES ☐ NO

09 DESCRIPTION OF WELLS (including useage, depth, and location relative to population and buildings)

Shallow domestic and industrial wells ~30' - 100' feet deep. Municipal wells all greater than 600 ft (deeper aquifer).

10 RECHARGE AREA

☒ YES  
☐ NO

COMMENTS

Local, rainfall - Middendorf

11 DISCHARGE AREA

☒ YES  
☐ NO

COMMENTS

Swamp

IV. SURFACE WATER

01 SURFACE WATER USE (Check one)

☒ A RESERVOIR RECREATION  
DRINKING WATER SOURCE ☐ B IRRIGATION ECONOMICALLY  
IMPORTANT RESOURCES ☐ C COMMERCIAL INDUSTRIAL ☐ D NOT CURRENTLY USED

02 AFFECTED POTENTIALLY AFFECTED BODIES OF WATER

NAME:

AFFECTED

DISTANCE TO SITE

Green swamp

☐

0.096

(mi)

Sooks Branch

☐

0.096

(mi)

☐

(mi)

V. DEMOGRAPHIC AND PROPERTY INFORMATION

01 TOTAL POPULATION WITHIN

ONE (1) MILE OF SITE  
A 2685  
NO OF PERSONS

TWO (2) MILES OF SITE  
B 10,435  
NO OF PERSONS

THREE (3) MILES OF SITE  
C 31,035  
NO OF PERSONS

02 DISTANCE TO NEAREST POPULATION

0.096 (mi)

03 NUMBER OF BUILDINGS WITHIN TWO (2) MILES OF SITE

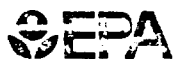
1400 approximations  
from census tract

04 DISTANCE TO NEAREST OFF-SITE BUILDING

0.19 (mi)

05 POPULATION WITHIN VICINITY OF SITE (Provide narrative description of nature of population within vicinity of site e.g. rural, village, densely populated urban area)

Densely populated residential area.



POTENTIAL HAZARDOUS WASTE SITE  
SITE INSPECTION REPORT  
PART 5 - WATER, DEMOGRAPHIC, AND ENVIRONMENTAL DATA

I. IDENTIFICATION

01 STATE 02 SITE NUMBER  
SCD 1981 474 729

VI. ENVIRONMENTAL INFORMATION

01 PERMEABILITY OF UNSATURATED ZONE (Check one)

☐ A.  $10^{-8} - 10^{-9}$  cm/sec ☒ B.  $10^{-4} - 10^{-5}$  cm/sec ☐ C.  $10^{-4} - 10^{-3}$  cm/sec ☐ D. GREATER THAN  $10^{-3}$  cm/sec

02 PERMEABILITY OF BEDROCK (Check one)

☐ A. IMPERMEABLE (Less than  $10^{-7}$  cm/sec) ☒ B. RELATIVELY IMPERMEABLE ( $10^{-7} - 10^{-9}$  cm/sec) ☐ C. RELATIVELY PERMEABLE ( $10^{-4} - 10^{-6}$  cm/sec) ☐ D. VERY PERMEABLE (Greater than  $10^{-4}$  cm/sec)

03 DEPTH TO BEDROCK

300 (ft)

04 DEPTH OF CONTAMINATED SOIL ZONE

3-12 (ft)

05 SOIL pH

06 NET PRECIPITATION

6 (in)

07 ONE YEAR 24 HOUR RAINFALL

3.5 (in)

08 SLOPE

SITE SLOPE

2 %

DIRECTION OF SITE SLOPE

East

TERRAIN AVERAGE SLOPE

2 %

09 FLOOD POTENTIAL

SITE IS IN 100 YEAR FLOODPLAIN

10

☐ SITE IS ON BARRIER ISLAND, COASTAL HIGH HAZARD AREA, RIVERINE FLOODWAY

11 DISTANCE TO WETLANDS (5 acre minimum)

ESTUARINE

OTHER Swamp

A. (mi)

B. 0.096 (mi)

12 DISTANCE TO CRITICAL HABITAT (of endangered species)

(mi)

ENDANGERED SPECIES: none within 1 mile

13 LAND USE IN VICINITY

DISTANCE TO:

COMMERCIAL/INDUSTRIAL

RESIDENTIAL AREAS, NATIONAL/STATE PARKS,  
FORESTS, OR WILDLIFE RESERVES

AGRICULTURAL LANDS  
PRIME AG LAND AG LAND

A. 7.3 (mi)

B. 0.096 (mi)

C. 7.3 (mi)

D. 7.3 (mi)

14 DESCRIPTION OF SITE IN RELATION TO SURROUNDING TOPOGRAPHY

Relatively flat terrain.

VII. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

Memorandum dated from Judy Canova, Superfund and Solid Waste to John Cresswell  
Manager, Site Screening. U.S. Geological Survey 7.5 minute series Topo-  
graphic maps of Sumter East, Sumter West, Brogdon and Privateer (South  
Carolina) quadrangle.



POTENTIAL HAZARDOUS WASTE SITE  
SITE INSPECTION REPORT  
PART 5 - SAMPLE AND FIELD INFORMATION

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
SC	D981474729

II. SAMPLES TAKEN

SAMPLE TYPE	01 NUMBER OF SAMPLES TAKEN	02 SAMPLES SENT TO	03 ESTIMATED DATE RESULTS AVAILABLE
GROUNDWATER			
SURFACE WATER			
WASTE			
AIR			
RUNOFF			
SPILL			
SOIL	1	SCDHEC Central Laboratory	Apr ' 87
VEGETATION			
OTHER			

III. FIELD MEASUREMENTS TAKEN

01 TYPE	02 COMMENTS

IV. PHOTOGRAPHS AND MAPS

01 TYPE <input checked="" type="checkbox"/> GROUND <input type="checkbox"/> AERIAL	02 IN CUSTODY OF <u>SCDHEC - Solid &amp; Haz Waste</u> <small>Name of organization or individual</small>
03 MAPS <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	04 LOCATION OF MAPS <u>SCDHEC - Solid and Hazardous Waste Management</u>

V. OTHER FIELD DATA COLLECTED Provide narrative description

Hnu photo ionizer, soil sample for stratigraphy profile

VI. SOURCES OF INFORMATION Cite specific reference. State files, sample analysis, reports

Memo dated November 2, 1987, Helen McGill, Site Screening Section, to Sumter Inert file concerning Trip Report procedures.

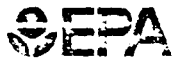


POTENTIAL HAZARDOUS WASTE SITE  
SITE INSPECTION REPORT  
PART 7 - OWNER INFORMATION

I. IDENTIFICATION

01 STATE 02 SITE NUMBER  
SC 0981474729

II. CURRENT OWNER(S) & Operator 1958 -1971				PARENT COMPANY (if applicable)			
01 NAME City of Sumter		02 D+B NUMBER		08 NAME N/A		09 D+B NUMBER	
03 STREET ADDRESS (P.O. Box, RFD #, etc.) 115 North Hardin St.		04 SIC CODE		10 STREET ADDRESS (P.O. Box, RFD #, etc.)		11 SIC CODE	
05 CITY Sumter		06 STATE SC	07 ZIP CODE 29150	12 CITY		13 STATE	14 ZIP CODE
01 NAME N/A		02 D+B NUMBER		08 NAME		09 D+B NUMBER	
03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE		10 STREET ADDRESS (P.O. Box, RFD #, etc.)		11 SIC CODE	
05 CITY		06 STATE	07 ZIP CODE	12 CITY		13 STATE	14 ZIP CODE
01 NAME		02 D+B NUMBER		08 NAME		09 D+B NUMBER	
03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE		10 STREET ADDRESS (P.O. Box, RFD #, etc.)		11 SIC CODE	
05 CITY		06 STATE	07 ZIP CODE	12 CITY		13 STATE	14 ZIP CODE
01 NAME		02 D+B NUMBER		08 NAME		09 D+B NUMBER	
03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE		10 STREET ADDRESS (P.O. Box, RFD #, etc.)		11 SIC CODE	
05 CITY		06 STATE	07 ZIP CODE	12 CITY		13 STATE	14 ZIP CODE
01 NAME		02 D+B NUMBER		08 NAME		09 D+B NUMBER	
03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE		10 STREET ADDRESS (P.O. Box, RFD #, etc.)		11 SIC CODE	
05 CITY		06 STATE	07 ZIP CODE	12 CITY		13 STATE	14 ZIP CODE
III. PREVIOUS OWNER(S) (List most recent first)				IV. REALTY OWNER(S) (If different from most recent first)			
01 NAME N/A		02 D+B NUMBER		01 NAME N/A		02 D+B NUMBER	
03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE		03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE	
05 CITY		06 STATE	07 ZIP CODE	05 CITY		06 STATE	07 ZIP CODE
01 NAME		02 D+B NUMBER		01 NAME		02 D+B NUMBER	
03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE		03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE	
05 CITY		06 STATE	07 ZIP CODE	05 CITY		06 STATE	07 ZIP CODE
01 NAME		02 D+B NUMBER		01 NAME		02 D+B NUMBER	
03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE		03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE	
05 CITY		06 STATE	07 ZIP CODE	05 CITY		06 STATE	07 ZIP CODE
V. SOURCES OF INFORMATION (Give specific references, e.g., state files, sample analysis reports)							
SCDHEC CERCLa files SCDHEC Wateree District files							



POTENTIAL HAZARDOUS WASTE SITE  
SITE INSPECTION REPORT  
PART 8 - OPERATOR INFORMATION

I. IDENTIFICATION

01 STATE 02 SITE NUMBER  
SC D981474729

II. CURRENT OPERATOR (Provide if different from owner)

OPERATOR'S PARENT COMPANY (if applicable)

01 NAME  
Sumter County Public Works  
(773-9835)

02 D+B NUMBER

10 NAME

11 D+B NUMBER

03 STREET ADDRESS (P.O. Box, RFD #, etc.)

04 SIC CODE

12 STREET ADDRESS (P.O. Box, RFD #, etc.)

13 SIC CODE

Route 3, Box 24

05 CITY

06 STATE  
SC

07 ZIP CODE  
29150

14 CITY

15 STATE

16 ZIP CODE

08 YEARS OF OPERATION

09 NAME OF OWNER

1971 - Present

16 years

City of Sumter

III. PREVIOUS OPERATOR(S) (List most recent first; provide only if different from owner)

PREVIOUS OPERATORS' PARENT COMPANIES (if applicable)

01 NAME  
City of Sumter

02 D+B NUMBER

10 NAME

11 D+B NUMBER

03 STREET ADDRESS (P.O. Box, RFD #, etc.)

04 SIC CODE

12 STREET ADDRESS (P.O. Box, RFD #, etc.)

13 SIC CODE

115 N. Harden St.

05 CITY

06 STATE  
SC

07 ZIP CODE  
29150

14 CITY

15 STATE

16 ZIP CODE

08 YEARS OF OPERATION

09 NAME OF OWNER DURING THIS PERIOD

1958 - 1971

13 years

City of Sumter

01 NAME

02 D+B NUMBER

10 NAME

11 D+B NUMBER

03 STREET ADDRESS (P.O. Box, RFD #, etc.)

04 SIC CODE

12 STREET ADDRESS (P.O. Box, RFD #, etc.)

13 SIC CODE

05 CITY

06 STATE

07 ZIP CODE

14 CITY

15 STATE

16 ZIP CODE

08 YEARS OF OPERATION

09 NAME OF OWNER DURING THIS PERIOD

01 NAME

02 D+B NUMBER

10 NAME

11 D+B NUMBER

03 STREET ADDRESS (P.O. Box, RFD #, etc.)

04 SIC CODE

12 STREET ADDRESS (P.O. Box, RFD #, etc.)

13 SIC CODE

05 CITY

06 STATE

07 ZIP CODE

14 CITY

15 STATE

16 ZIP CODE

08 YEARS OF OPERATION

09 NAME OF OWNER DURING THIS PERIOD

IV. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

SCDHEC CERCLA files  
SCDHEC Wateree District files





POTENTIAL HAZARDOUS WASTE SITE  
SITE INSPECTION REPORT  
PART 9 - GENERATOR/TRANSPORTER INFORMATION

I. IDENTIFICATION

01 STATE 02 SITE NUMBER

SC D981474729

II. ON-SITE GENERATOR

01 NAME N/A	02 D+B NUMBER		
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE		
05 CITY	06 STATE	07 ZIP CODE	

III. OFF-SITE GENERATOR(S)

01 NAME Santee Print	02 D+B NUMBER	01 NAME N/A	02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.) P.O. Box 340	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY Sumter	06 STATE SC	07 ZIP CODE 29151	05 CITY
01 NAME Southern Coating	02 D+B NUMBER	01 NAME	02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.) P.O. Box 160	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY Sumter	06 STATE SC	07 ZIP CODE 29150	05 CITY

IV. TRANSPORTER(S)

01 NAME N/A	02 D+B NUMBER	01 NAME	02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY	06 STATE	07 ZIP CODE	05 CITY
01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY	06 STATE	07 ZIP CODE	05 CITY

V. SOURCES OF INFORMATION (One specific references, e.g., state files, sample analysis reports)

SCDHEC CERLA files  
SCDHEC Wateree District files  
South Carolina Industrial Directory (1983).



POTENTIAL HAZARDOUS WASTE SITE  
SITE INSPECTION REPORT  
PART 10 - PAST RESPONSE ACTIVITIES

I. IDENTIFICATION

01 STATE 02 SITE NUMBER

SC 1981474729

II. PAST RESPONSE ACTIVITIES

01 <input type="checkbox"/> A. WATER SUPPLY CLOSED 04 DESCRIPTION N/A	02 DATE _____	03 AGENCY _____
01 <input type="checkbox"/> B. TEMPORARY WATER SUPPLY PROVIDED 04 DESCRIPTION N/A	02 DATE _____	03 AGENCY _____
01 <input type="checkbox"/> C. PERMANENT WATER SUPPLY PROVIDED 04 DESCRIPTION N/A	02 DATE _____	03 AGENCY _____
01 <input type="checkbox"/> D. SPILLED MATERIAL REMOVED 04 DESCRIPTION N/A	02 DATE _____	03 AGENCY _____
01 <input type="checkbox"/> E. CONTAMINATED SOIL REMOVED 04 DESCRIPTION N/A	02 DATE _____	03 AGENCY _____
01 <input type="checkbox"/> F. WASTE REPACKAGED 04 DESCRIPTION N/A	02 DATE _____	03 AGENCY _____
01 <input type="checkbox"/> G. WASTE DISPOSED ELSEWHERE 04 DESCRIPTION N/A	02 DATE _____	03 AGENCY _____
01 <input type="checkbox"/> H. ON SITE BURIAL 04 DESCRIPTION N/A	02 DATE _____	03 AGENCY _____
01 <input type="checkbox"/> I. IN SITU CHEMICAL TREATMENT 04 DESCRIPTION N/A	02 DATE _____	03 AGENCY _____
01 <input type="checkbox"/> J. IN SITU BIOLOGICAL TREATMENT 04 DESCRIPTION N/A	02 DATE _____	03 AGENCY _____
01 <input type="checkbox"/> K. IN SITU PHYSICAL TREATMENT 04 DESCRIPTION N/A	02 DATE _____	03 AGENCY _____
01 <input type="checkbox"/> L. ENCAPSULATION 04 DESCRIPTION N/A	02 DATE _____	03 AGENCY _____
01 <input type="checkbox"/> M. EMERGENCY WASTE TREATMENT 04 DESCRIPTION N/A	02 DATE _____	03 AGENCY _____
01 <input type="checkbox"/> N. CUTOFF WALLS 04 DESCRIPTION N/A	02 DATE _____	03 AGENCY _____
01 <input type="checkbox"/> O. EMERGENCY DIKING/SURFACE WATER DIVERSION 04 DESCRIPTION N/A	02 DATE _____	03 AGENCY _____
01 <input type="checkbox"/> P. CUTOFF TRENCHES/SUMP 04 DESCRIPTION N/A	02 DATE _____	03 AGENCY _____
01 <input type="checkbox"/> Q. SUBSURFACE CUTOFF WALL 04 DESCRIPTION N/A	02 DATE _____	03 AGENCY _____



POTENTIAL HAZARDOUS WASTE SITE  
SITE INSPECTION REPORT  
PART 10 - PAST RESPONSE ACTIVITIES

I. IDENTIFICATION

01 STATE 02 SITE NUMBER  
SC D981474729

II PAST RESPONSE ACTIVITIES *(Continued)*

01 ☐ R. BARRIER WALLS CONSTRUCTED  
04 DESCRIPTION

02 DATE \_\_\_\_\_

03 AGENCY \_\_\_\_\_

N/A

01 ☐ S. CAPPING/COVERING  
04 DESCRIPTION

02 DATE \_\_\_\_\_

03 AGENCY \_\_\_\_\_

N/A

01 ☐ T. BULK TANKAGE REPAIRED  
04 DESCRIPTION

02 DATE \_\_\_\_\_

03 AGENCY \_\_\_\_\_

N/A

01 ☐ U. GROUT CURTAIN CONSTRUCTED  
04 DESCRIPTION

02 DATE \_\_\_\_\_

03 AGENCY \_\_\_\_\_

N/A

01 ☐ V. BOTTOM SEALED  
04 DESCRIPTION

02 DATE \_\_\_\_\_

03 AGENCY \_\_\_\_\_

N/A

01 ☐ W. GAS CONTROL  
04 DESCRIPTION

02 DATE \_\_\_\_\_

03 AGENCY \_\_\_\_\_

N/A

01 ☐ X. FIRE CONTROL  
04 DESCRIPTION

02 DATE \_\_\_\_\_

03 AGENCY \_\_\_\_\_

N/A

01 ☐ Y. LEACHATE TREATMENT  
04 DESCRIPTION

02 DATE \_\_\_\_\_

03 AGENCY \_\_\_\_\_

N/A

01 ☐ Z. AREA EVACUATED  
04 DESCRIPTION

02 DATE \_\_\_\_\_

03 AGENCY \_\_\_\_\_

N/A

01 ☐ 1. ACCESS TO SITE RESTRICTED  
04 DESCRIPTION

02 DATE \_\_\_\_\_

03 AGENCY \_\_\_\_\_

N/A

01 ☐ 2. POPULATION RELOCATED  
04 DESCRIPTION

02 DATE \_\_\_\_\_

03 AGENCY \_\_\_\_\_

N/A

01 ☒ 3. OTHER REMEDIAL ACTIVITIES  
04 DESCRIPTION

02 DATE \_\_\_\_\_

03 AGENCY \_\_\_\_\_

After July 1, 1973, Sumter Inert landfill began accepting only inert materials.

III. SOURCES OF INFORMATION *(Cite specific references e.g., state files, sample analysis reports)*

SCDHEC files (Bureau of Solid & Hazardous Waste)  
SCDHEC CERCLA files  
SCDHEC Wateree District files



POTENTIAL HAZARDOUS WASTE SITE  
SITE INSPECTION REPORT  
PART 11 - ENFORCEMENT INFORMATION

I. IDENTIFICATION

01 STATE 02 SITE NUMBER

SC D981474729

II. ENFORCEMENT INFORMATION

01 PAST REGULATORY/ENFORCEMENT ACTION ☐ YES ☒ NO

02 DESCRIPTION OF FEDERAL, STATE, LOCAL REGULATORY/ENFORCEMENT ACTION

III. SOURCES OF INFORMATION (Give specific references, e.g., state files, sample analysis reports)

SCDHEC CERCLA files  
SCDHEC Wateree files

# South Carolina Department of Health and Environmental Control

Ref. 4

2600 Bull Street  
Columbia, S.C. 29201

Commissioner  
Michael D. Jarrett



Gerald A. Kaynard, Vice-Chairman  
Oren L. Brady, Jr., Secretary  
Barbara P. Nuessle  
James A. Spruill, Jr.  
William H. Hester, M.D.  
Euta M. Colvin, M.D.

Waterlee District  
Environmental Quality Control  
105 N. Magnolia Street, P.O. Box 1628  
Sumter, S.C. 29151  
(803) 773-5511 / 778-1531

November 9, 1987

## MEMORANDUM

TO: John Cain  
Bureau of Solid & Hazardous Waste Management

FROM: Capers Dixon <sup>CD</sup>  
Waterlee District EQC

SUBJECT: Hazardous Waste Disposal - Sumter Inert  
Site on Cooks Street  
Sumter County

In regards to on-site inspections and conversations with responsible officials in 1973, I found that large quantities of industrial chemical wastes were being dumped in the above referenced landfill. It appeared that Santee Print Works and Southern Coatings, Inc., were the main disposers of chemical wastes at the site. In 1973, my investigations revealed that a relatively large depressed area within the landfill was being used to receive thousands of gallons of chemicals each month. The surrounding and applied debris (tree limbs, leaves, etc.) were used to adsorb and absorb the liquid wastes.

It was my understanding that Southern Coatings, Inc., was dumping approximately 8,000 gallons per month of liquid wastes containing paints and solvents. Santee Print Works was dumping approximately 3,000 gallons per week of dye wastes containing some solvents. I feel certain that both of the above industries had been dumping these wastes for a least a year or more. Santee Print Works had ceased dumping their dye wastes in September of 1973. However, Southern Coatings, Inc., apparently continued dumping until later in 1973 or early 1974.

As I recall, the lagoon of chemicals at the landfill site was approximately 75 feet to 100 feet long and about 50 feet wide. The wastes had a relatively strong solvent odor.

/ce

SITE NAME: Sumter Inert  
EPA ID NUMBER: SCD 981 474 729

RECORD OF COMMUNICATION

☒ Phone Call  
☐ Discussion  
☐ Field Trip  
☐ Conference  
☐ Other (Specify)

TO: Sumter Inert File FROM: Susan Kuhne  
DATE: September 22, 1994 TIME: 2:30

---

SUBJECT: Summary of conversation with Mrs. April Grunsky, SCDHEC Solid Waste Engineer, (803) 734-5176.

---

SUMMARY OF COMMUNICATION: Mrs. Grunsky stated that to the best of her knowledge, Sumter Inert operated under a SCDHEC Wateree EQC District approval letter after the temporary permit expired. A closure plan has been submitted by Sumter, reviewed by SCDHEC engineers, and is currently being implemented.

---

CONCLUSIONS, ACTIONS TAKEN OR REQUIRED:

Ref. 6

RECORD OF COMMUNICATION

  X   Phone Call  
      Discussion  
      Field Trip  
      Conference  
      Other (Specify)

TO: Sumter Inert Site File      FROM: Harvey S. Daniel  
     SCD 981 474 729                Site Screening Section

DATE: May 20, 1992                TIME: 9:40 AM

SUBJECT: Conversation with Eddie Newman, Director, Sumter County  
         Public Works. (803) 773-9835

SUMMARY OF COMMUNICATION

Sumter County has not operated the Sumter Inert Landfill on McCrays Mill Road and Cooks Street (Sumter Inert Site) since February, 1991. The County is in the process of closing out the forty acre landfill. Approximately half of the landfill has been closed. Closure involves covering the landfill with one foot of compacted clay, and then covering the clay with one foot of topsoil. Groundwater samples were taken during the closure, and according to Mr. Newman, analysis did not find hazardous substances. However, soil samples were not taken. Mr. Newman has been with the County for approximately twenty years, and doesn't recall seeing the lagoon where, according to the files, liquid waste was deposited at the landfill. Mr. Newman speculates that the lagoon has since been filled in with solid inert waste. Geophysical surveys to detect the buried drums referred to in the files were not done during the closure. Mr. Newman visited the landfill recently. There are no unusual odors associated with the landfill.

The City of Sumter still owns the land on which the landfill is located. The contact for the City is Talmage Tobias, City Manager, or Al Harris, City Engineer ((803) 773-3371. The address for the County is:

Sumter County Public Works  
1289 North Main Street  
Sumter, South Carolina 29153

INFORMATION COPIES

TO:

Ref. 7

MEMORANDUM

TO: Sumter Inert File

FROM: Susan Kuhne Snook

RE: Recon and Sampling Trip Report

Date: January 13, 1994 SKS

The ESI site recon for the Sumter Inert site was conducted on November 23, 1993. The following DHEC employees were present:

Susan Snook - Site Screening, Project Manager  
Marion Feagin - Hydrology  
Beth Suydam - Waste Assessment  
F.M. "Bubba" Carns - Waste Assessment  
John Jesse - Radiological Health  
Peter Koufopoulos - Site Screening  
Capers Dixon - Wateree EQC District  
Jessy Robertson - Wateree EQC District

Mr. Abbas Abouhamdan, Environmental and Technical Engineer, was present representing the county of Sumter.

Mr. Abouhamdan gave us a site tour. Video taping was conducted by Mr. Peter Koufopoulos. Mr. Capers Dixon remembered the approximate location of the former liquid waste lagoon. We saw no evidence of industrial waste deposition or a former lagoon. The entire landfill has been capped with clay and soil. Mr. Abouhamdan stated that the cap is a minimum of 1.5 feet of clay, and additional cover and vegetation will be added. Some erosion was noticed on the north side of the landfill to the right of the entrance gate.

The site was locked and partially fenced; however, access to the site was not fully restricted. The west side of the site is the older, overgrown portion. Domestic waste such as household refuse and tires were observed in the western side. According to Mr. Abouhamdan, waste was deposited all the way back to the creek bed. We were unable to get to the creek bed due to the heavy vegetation. The site consisted of a definite wetland area. Evidence of fishing was noticed near the downgradient railroad trestle.

Site sampling activities were conducted on January 12, 1994. The following DHEC employees were present:

Susan Snook  
Capers Dixon  
Ben Maynard  
Buck Corley  
Bubba Carns

Howard Mosely  
Susan Turner  
Beth Suydam  
Greg George  
Jessy Robertson



Abbas Abouhamdan and Eddie Newman, Director of Public Works, were present from Sumter County. Bubba Carns, Susan Snook and Ben Maynard collected the off-site surface water and sediment samples using a boat and dredge. Beth Suydam, Buck Corley and Greg George sampled the on-site groundwater monitoring wells. Howard Moseley, Susan Turner and Jessy Robertson collected the soil samples. The following lists shows each sample location and description from the January 12, 1994 Sumter Inert ESI sampling activity. See the sample plan for numbering description.

SI-SW/SD - 05:

These samples were collected 75 yards downstream from the Green Swamp Bridge, upgradient of the former public sewer system. We tied the boat to a large stump four feet from the shore. The surface water was clear with very little turbidity. The sediment sample was collected from the side of the boat closer to the shore. The stream bottom was too hard to use the dredge so Bubba collected the sample using a stainless steel scoop. The sample consisted of dark brown, fine grained soil.

SI-SW/SD-06 and SI-SW/SD-07:

These samples were deleted because we were unable to access these areas of the swamp by boat or by foot.

SI-SW/SD-08:

These samples were collected from upgradient of the railroad track. If facing the landfill from the railroad bridge, the samples were from the left bank of the creek. The sample team stood on the rocks approximately 30 feet upstream of the railroad trestle. This was cross gradient from the small side tributary. It did not appear that the tributary (150 feet away) could influence this location due to channelling on the right side of the swamp near the tributary. The sediment sample was grey and brown sandy soil mixed with black sand. The water sample was clear with very little turbidity.

SI-SB-01:

This subsurface soil sample was collected off-site, 6 feet east of Cook Street, 2 feet west of the fence pole, and 100 yards south of the landfill entrance at the other side of Cook Street. The sample depth was 3 -4 feet, and the soil consisted of orange clay.

SI-SB-03:

This subsurface soil sample was collected on-site, approximately 300 feet from the landfill entrance in the direction of the two brush piles. According to Mr. Capers Dixon, this is the approximate area of the former lagoon. The sample was collected at a depth of 2.5 feet and consisted of coal-like dark chips, multi-colored clay, and light and dark grey soil mixed with roots and rocks.

SI-SB-02:

This subsurface soil sample was collected 100 yards west of sample SI-SB-03 and 200 feet south of the brush piles. The sample was collected at a depth of 2.5 - 3 feet and consisted of black and gray soil mixed with wood, pebbles, and burned material.

SI-SB-04:

This subsurface soil sample was collected at the back of the landfill between the two fences near the piles of mounding dirt. The sample was collected at a depth of 3 feet and consisted of tan soil, orange clay, and a black material.

The three on-site groundwater monitoring wells were also sampled. Well logs were filled out by Beth Suydam summarizing the well sampling activities.

Ref. 8

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region IV  
Environmental Services Division  
College Station Road, Athens, Ga. 30613

\*\*\*\*\*MEMORANDUM\*\*\*\*\*

DATE: 02/26/94

SUBJECT: Results of Purgeable Organic Analysis;  
94-0234 SUMTER INERT SITE  
SUMTER SC  
CASE NO: 21510

FROM: *Ch* Charles H. Hooper *John*  
Chief, Laboratory Evaluation/Quality Assurance Section

TO: HAROLD SEABROOK

Attached are the results of analysis of samples collected as part of the subject project.

As a result of the Quality Assurance Review, certain data qualifiers may have been placed on the data. Attached is a DATA QUALIFIER REPORT which explains the reasons that these qualifiers were required.

If you have any questions please contact me.

ATTACHMENT

RECEIVED

MAR 3 1994

S. C. Dept. of Health & Environmental  
Control-Bureau of Solid & Hazardous  
Waste Management

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

02/25/94

PURGEABLE ORGANICS DATA REPORT

\*\*\* \*\*  
\*\* PROJECT NO. 94-0234 SAMPLE NO. 82495 SAMPLE TYPE: GROUNDWA PROG ELEM: NSF COLLECTED BY: FM CARNS \*\*  
\*\* SOURCE: SUMTER INERT SITE CITY: SUMTER ST: SC \*\*  
\*\* STATION ID: FB-01 COLLECTION START: 01/12/94 1000 STOP: 00/00/00 \*\*  
\*\* CASE NO.: 21510 SAS NO.: D. NO.: GJ66 \*\*  
\*\*\* \*\*

UG/L ANALYTICAL RESULTS

10U CHLOROMETHANE  
10U BROMOMETHANE  
10U VINYL CHLORIDE  
10U CHLOROETHANE  
10U METHYLENE CHLORIDE  
10U ACETONE  
10U CARBON DISULFIDE  
10U 1,1-DICHLOROETHENE (1,1-DICHLOROETHYLENE)  
10U 1,1-DICHLOROETHANE  
10U 1,2-DICHLOROETHENE (TOTAL)  
10U CHLOROFORM  
10U 1,2-DICHLOROETHANE  
10U METHYL ETHYL KETONE  
10U 1,1,1-TRICHLOROETHANE  
10U CARBON TETRACHLORIDE  
10U BROMODICHLOROMETHANE

UG/L ANALYTICAL RESULTS

10U 1,2-DICHLOROPROPANE  
10U CIS-1,3-DICHLOROPROPENE  
2J TRICHLOROETHENE (TRICHLOROETHYLENE)  
10U DIBROMOCHLOROMETHANE  
10U 1,1,2-TRICHLOROETHANE  
10U BENZENE  
10U TRANS-1,3-DICHLOROPROPENE  
10U BROMOFORM  
10U METHYL ISOBUTYL KETONE  
10U METHYL BUTYL KETONE  
10U TETRACHLOROETHENE (TETRACHLOROETHYLENE)  
10U 1,1,2,2-TETRACHLOROETHANE  
10U TOLUENE  
10U CHLOROBENZENE  
10U ETHYL BENZENE  
10U STYRENE  
10U TOTAL XYLENES

\*\*\*REMARKS\*\*\*

\*\*\*REMARKS\*\*\*

\*\*\*FOOTNOTES\*\*\*

\*A-AVERAGE VALUE \*NA-NOT ANALYZED \*NAI-INTERFERENCES \*J-ESTIMATED VALUE \*N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL  
\*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN \*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN  
\*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTITATION LIMIT.  
\*R-QC INDICATES THAT DATA UNUSABLE. COMPOUND MAY OR MAY NOT BE PRESENT. RESAMPLING AND REANALYSIS IS NECESSARY FOR VERIFICATION.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region IV  
Environmental Services Division  
College Station Road, Athens, Ga. 30613

\*\*\*\*\*MEMORANDUM\*\*\*\*\*

DATE: 03/03/94

SUBJECT: Results of Specified Analysis;  
94-0234 SUMTER INERT SITE  
SUMTER SC  
CASE NO: 21510

FROM: Charles H. Hooper *CH Hooper*  
Chief, Laboratory Evaluation/Quality Assurance Section

TO: HAROLD SEABROOK

Attached are the results of analysis of samples collected as part of the subject project.

As a result of the Quality Assurance Review, certain data qualifiers may have been placed on the data. Attached is a DATA QUALIFIER REPORT which explains the reasons that these qualifiers were required.

If you have any questions please contact me.

ATTACHMENT

# INORGANIC DATA QUALIFIERS REPORT

Case Number: 21510

Project Number: 94-0234

Site: Sumter Inert Site, Sumter, SC

Element	Flag	Samples Affected	Reason
<u>A. Water</u>			
Be, Cd, Cr, Co, Pb, Ag, V	U	All positives > IDL, but < CRDL	Baseline instability
Al, Ba, Cu, Fe, Mg, K, Na, Zn	U	All positives > IDL, but < 10X contaminant level	Positives in blanks
Sb	J R	All positives All negatives	Matrix spike recovery - 11.4%
Cr	J	All	Matrix spike recovery - 71.8%
V	J	All	Matrix spike recovery - 73.4%
Zn	J	All	Matrix spike recovery - 73.4%
CN	J	All	Matrix spike recovery - 69%
Ca	J	All	Serial dilution percent difference - 12.8%
Al	J	All positives	Blind spike recovery - 182%
Mn	J	All positives	Blind spike recovery - 206%
All Metals	J	All	pH > 2.0 when received by the laboratory
CN	J	All	pH < 12.0 when received by the laboratory
Be	JN	MDGJ62	Suspected positive interference from high levels of Al and Fe (>200,000 ug/L each)
Co	J	MDGJ50	% RSD > 20% for ICP multiple exposures
Sb	U	MDGJ64	% RSD > 20% for ICP multiple exposures and result > IDL, but < CRDL
Se	U	MDGJ61	% RSD > 20% for ICP multiple exposures and result > IDL, but < CRDL
Se	J	MDGJ62	Only 2X CRDL standard required for ICP analysis by SOW
<u>B. Soil</u>			
Be, Cd, Cr, Co, Pb, Ag, V	U	All positives > IDL, but < CRDL	Baseline instability
Al, Ca, Cu, Fe, Mg, Na, Zn	U	All positives > IDL, but < 10X contaminant level	Positives in blanks

# INORGANIC DATA QUALIFIERS REPORT (continued)

Case Number: 21510

Project Number: 94-0234

Site: Sumter Inert Site, Sumter, SC

Element	Flag	Samples Affected	Reason
Sb	J	All positives	Matrix spike recovery = 22.5%
	R	All negatives	
Hg	J	All positives	Matrix spike recovery = 130.5%
Al	J	All positives	Blind spike recovery = 182%
Mn	J	All positives	Blind spike recovery = 206%
Ni	J	MDGJ52, 55, 60, & 65	% RSD > 20% for ICP multiple exposures
K	J	MDGJ55	% RSD > 20% for ICP multiple exposures
Tl	U	MDGJ53 & 54	%RSD > 20% for ICP multiple exposures and result > IDL, but < CRDL
As	U	MDGJ57 & 60	%RSD > 20% for ICP multiple exposures and result > IDL, but < CRDL
As	J	MDGJ55	Only 2X CRDL standard required for ICP analysis by SOW

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

03/02/94

SPECIFIED ANALYSIS DATA REPORT

\*\*\*  
\*\* PROJECT NO. 94-0234 SAMPLE NO. 82102 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: FM CARNES \*\*  
\*\* SOURCE: SUMTER INERT SITE CITY: SUMTER ST: SC \*\*  
\*\* STATION ID: SB-01 COLLECTION START: 01/12/94 1010 STOP: 00/00/00 \*\*  
\*\* CASE NO.: 21510 SAS NO.: D. NO.: GJ53 MD NO: GJ53 \*\*  
\*\*  
\*\*\*

RESULTS UNITS PARAMETER  
0.57U MG/KG CYANIDE

\*\*\*FOOTNOTES\*\*\*

\*A-AVERAGE VALUE \*NA-NOT ANALYZED \*NAI-INTERFERENCES \*J-ESTIMATED VALUE \*N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL  
\*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN \*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN  
\*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTITATION LIMIT.



SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

03/02/94

SPECIFIED ANALYSIS DATA REPORT

\*\*\*  
\*\* PROJECT NO. 94-0234 SAMPLE NO. 82103 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: FM CARNS \*\*  
\*\* SOURCE: SUMTER INERT SITE CITY: SUMTER ST: SC \*\*  
\*\* STATION ID: SB-02 COLLECTION START: 01/12/94 1150 STOP: 00/00/00 \*\*  
\*\* CASE NO.: 21510 SAS NO.: D. NO.: GJ54 MD NO: GJ54 \*\*  
\*\*  
\*\*\*

RESULTS UNITS PARAMETER  
0.65U MG/KG CYANIDE

\*\*\*FOOTNOTES\*\*\*

\*A-AVERAGE VALUE \*NA-NOT ANALYZED \*NAI-INTERFERENCES \*J-ESTIMATED VALUE \*N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL  
\*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN \*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN  
\*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTITATION LIMIT.

## 03/02/94

```

** PROJECT NO. 94-0234 SAMPLE NO. 82104 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: FM CARNES **
** SOURCE: SUMTER INERT SITE CITY: SUMTER ST: SC **
** STATION ID: SB-03 COLLECTION START: 01/12/94 1040 STOP: 00/00/00 **
** CASE NO.: 21510 SAS NO.: D. NO.: GJ55 MD NO: GJ55 **

```

RESULTS	UNITS	PARAMETER
0.56U	MG/KG	CYANIDE

\*\*\*FOOTNOTES\*\*\*

\*A-AVERAGE VALUE      \*NA-NOT ANALYZED      \*NAI-INTERFERENCES      \*J-ESTIMATED VALUE      \*N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL  
\*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN      \*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN  
\*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTITATION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

03/02/94

SPECIFIED ANALYSIS DATA REPORT

\*\*\* \*\*  
\*\* PROJECT NO. 94-0234 SAMPLE NO. 82105 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: FM CARNES \*\*  
\*\* SOURCE: SUMTER INERT SITE CITY: SUMTER ST: SC \*\*  
\*\* STATION ID: SB-04 COLLECTION START: 01/12/94 1225 STOP: 00/00/00 \*\*  
\*\* CASE NO.: 21510 SAS NO.: D. NO.: GJ56 MD NO: GJ56 \*\*  
\*\*

RESULTS UNITS PARAMETER  
0.59U MG/KG CYANIDE

\*\*\*FOOTNOTES\*\*\*

\*A-AVERAGE VALUE \*NA-NOT ANALYZED \*NAI-INTERFERENCES \*J-ESTIMATED VALUE \*N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL  
\*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN \*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN  
\*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTITATION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

03/02/94

SPECIFIED ANALYSIS DATA REPORT

```
*** ** ** ** **
** PROJECT NO. 94-0234 SAMPLE NO. 82106 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: FM CARNS **
** SOURCE: SUMTER INERT SITE CITY: SUMTER ST: SC **
** STATION ID: SD-05 COLLECTION START: 01/12/94 1030 STOP: 00/00/00 **
** CASE NO.: 21510 SAS NO.: D. NO.: GJ57 MD NO: GJ57 **
** ** ** **
```

RESULTS UNITS PARAMETER  
0.93U MG/KG CYANIDE

\*\*\*FOOTNOTES\*\*\*

\*A-AVERAGE VALUE \*NA-NOT ANALYZED \*NAI-INTERFERENCES \*J-ESTIMATED VALUE \*N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL  
\*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN \*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN  
\*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTITATION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

03/02/94

SPECIFIED ANALYSIS DATA REPORT

\*\*\*  
\*\* PROJECT NO. 94-0234 SAMPLE NO. 82107 SAMPLE TYPE: SURFACEWA PROG ELEM: NSF COLLECTED BY: FM CARNS \*\*  
\*\* SOURCE: SUMTER INERT SITE CITY: SUMTER ST: SC \*\*  
\*\* STATION ID: SW-05 COLLECTION START: 01/12/94 1015 STOP: 00/00/00 \*\*  
\*\* CASE NO.: 21510 SAS NO.: D. NO.: GJ58 MD NO: GJ58 \*\*  
\*\*  
\*\*\*

RESULTS UNITS PARAMETER  
10UJ UG/L CYANIDE

\*\*\*REMARKS\*\*\*

SAMPLE NOT PRESERVED, HOWEVER, HOLDING TIME & QC CRITERIA MET!

\*\*\*REMARKS\*\*\*

\*\*\*FOOTNOTES\*\*\*

\*A-AVERAGE VALUE \*NA-NOT ANALYZED \*NAI-INTERFERENCES \*J-ESTIMATED VALUE \*N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL  
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

03/02/94

SPECIFIED ANALYSIS DATA REPORT

\*\*\*  
\*\* PROJECT NO. 94-0234 SAMPLE NO. 82108 SAMPLE TYPE: SURFACEWA PROG ELEM: NSF COLLECTED BY: FM CARNS \*\*  
\*\* SOURCE: SUMTER INERT SITE CITY: SUMTER ST: SC \*\*  
\*\* STATION ID: SW-08 COLLECTION START: 01/12/94 1200 STOP: 00/00/00 \*\*  
\*\* CASE NO.: 21510 SAS NO.: D. NO.: GJ59 MD NO: GJ59 \*\*  
\*\*  
\*\*\*

RESULTS UNITS PARAMETER  
10UJ UG/L CYANIDE

\*\*\*REMARKS\*\*\*

SAMPLE NOT PRESERVED, HOWEVER, HOLDING TIME & QC CRITERIA MET!

\*\*\*REMARKS\*\*\*

\*\*\*FOOTNOTES\*\*\*

\*A-AVERAGE VALUE \*NA-NOT ANALYZED \*NAI-INTERFERENCES \*J-ESTIMATED VALUE \*N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL  
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

03/02/94

SPECIFIED ANALYSIS DATA REPORT

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*** ** ** ** **
** PROJECT NO. 94-0234 SAMPLE NO. 82109 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: FM CARNS **
** SOURCE: SUMTER INERT SITE CITY: SUMTER ST: SC **
** STATION ID: SD-08 COLLECTION START: 01/12/94 1215 STOP: 00/00/00 **
** CASE NO.: 21510 SAS NO.: D. NO.: GJ60 MD NO: GJ60 **
** ** ** **
```

RESULTS UNITS PARAMETER  
0.63U MG/KG CYANIDE

\*\*\*FOOTNOTES\*\*\*

\*A-AVERAGE VALUE \*NA-NOT ANALYZED \*NAI-INTERFERENCES \*J-ESTIMATED VALUE \*N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL  
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

03/02/94

SPECIFIED ANALYSIS DATA REPORT

\*\*\*  
\*\* PROJECT NO. 94-0234 SAMPLE NO. 82110 SAMPLE TYPE: GROUNDWA PROG ELEM: NSF COLLECTED BY: FM CARNS \*\*  
\*\* SOURCE: SUMTER INERT SITE CITY: SUMTER ST: SC \*\*  
\*\* STATION ID: MW-09 COLLECTION START: 01/12/94 1055 STOP: 00/00/00 \*\*  
\*\* CASE NO.: 21510 SAS NO.: D. NO.: GJ61 MD NO: GJ61 \*\*  
\*\*  
\*\*\*

RESULTS UNITS PARAMETER  
10UJ UG/L CYANIDE

\*\*\*REMARKS\*\*\*

SAMPLE NOT PRESERVED, HOWEVER, HOLDING TIME & QC CRITERIA MET!

\*\*\*REMARKS\*\*\*

\*\*\*FOOTNOTES\*\*\*

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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

03/02/94

SPECIFIED ANALYSIS DATA REPORT

\*\*\* \*\*  
\*\* PROJECT NO. 94-0234 SAMPLE NO. 82111 SAMPLE TYPE: GROUNDWA PROG ELEM: NSF COLLECTED BY: FM CARNs \*\*  
\*\* SOURCE: SUMTER INERT SITE CITY: SUMTER ST: SC \*\*  
\*\* STATION ID: MW-12 COLLECTION START: 01/12/94 1215 STOP: 00/00/00 \*\*  
\*\* CASE NO.: 21510 SAS NO.: D. NO.: GJ62 MD NO: GJ62 \*\*  
\*\* \*\*

RESULTS UNITS PARAMETER  
10UJ UG/L CYANIDE

\*\*\*REMARKS\*\*\*

SAMPLE NOT PRESERVED, HOWEVER, HOLDING TIME & QC CRITERIA MET!

\*\*\*REMARKS\*\*\*

\*\*\*FOOTNOTES\*\*\*

\*A-AVERAGE VALUE \*NA-NOT ANALYZED \*NAI-INTERFERENCES \*J-ESTIMATED VALUE \*N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL  
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

03/02/94

SPECIFIED ANALYSIS DATA REPORT

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*** ** ** ** **
** PROJECT NO. 94-0234 SAMPLE NO. 82112 SAMPLE TYPE: GROUNDWA PROG ELEM: NSF COLLECTED BY: FM CARNS **
** SOURCE: SUMTER INERT SITE CITY: SUMTER ST: SC **
** STATION ID: MW-10 COLLECTION START: 01/12/94 1310 STOP: 00/00/00 **
** CASE NO.: 21510 SAS NO.: D. NO.: GJ63 MD NO: GJ63 **
** ** ** **
```

RESULTS UNITS PARAMETER  
10UJ UG/L CYANIDE

\*\*\*REMARKS\*\*\*

SAMPLE NOT PRESERVED, HOWEVER, HOLDING TIME & QC CRITERIA MET!

\*\*\*REMARKS\*\*\*

\*\*\*FOOTNOTES\*\*\*

\*A-AVERAGE VALUE \*NA-NOT ANALYZED \*NAI-INTERFERENCES \*J-ESTIMATED VALUE \*N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL  
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

03/02/94

SPECIFIED ANALYSIS DATA REPORT

\*\*\*  
\*\* PROJECT NO. 94-0234 SAMPLE NO. 82113 SAMPLE TYPE: GROUNDWA PROG ELEM: NSF COLLECTED BY: FM CARNs \*\*  
\*\* SOURCE: SUMTER INERT SITE CITY: SUMTER ST: SC \*\*  
\*\* STATION ID: MW-11 COLLECTION START: 01/12/94 1420 STOP: 00/00/00 \*\*  
\*\* CASE NO.: 21510 SAS NO.: D. NO.: GJ64 MD NO: GJ64 \*\*  
\*\*\*

RESULTS UNITS PARAMETER  
10UJ UG/L CYANIDE

\*\*\*REMARKS\*\*\*

SAMPLE NOT PRESERVED, HOWEVER, HOLDING TIME & QC CRITERIA MET!

\*\*\*REMARKS\*\*\*

\*\*\*FOOTNOTES\*\*\*

\*A-AVERAGE VALUE \*NA-NOT ANALYZED \*NAI-INTERFERENCES \*J-ESTIMATED VALUE \*N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL  
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

03/02/94

SPECIFIED ANALYSIS DATA REPORT

```
***
** PROJECT NO. 94-0234  SAMPLE NO. 82114  SAMPLE TYPE: SOIL  PROG ELEM: NSF  COLLECTED BY: FM CARNS  **
** SOURCE: SUMTER INERT SITE  CITY: SUMTER  ST: SC  **
** STATION ID: SB-13  COLLECTION START: 01/12/94  1010  STOP: 00/00/00  **
** CASE NO.: 21510  SAS NO.:  D. NO.: GJ65  MD NO: GJ65  **
**
***
```

RESULTS UNITS PARAMETER  
0.58U MG/KG CYANIDE

\*\*\*FOOTNOTES\*\*\*

\*A-AVERAGE VALUE    \*NA-NOT ANALYZED    \*NAI-INTERFERENCES    \*J-ESTIMATED VALUE    \*N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL  
\*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN    \*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN  
\*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTITATION LIMIT.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region IV  
Environmental Services Division  
College Station Road, Athens, Ga. 30613

\*\*\*\*\*MEMORANDUM\*\*\*\*\*

DATE: 02/18/94

SUBJECT: Results of Extractable Organic Analysis;  
94-0234 SUMTER INERT SITE  
SUMTER SC  
CASE NO: 21510

FROM: *CH* Charles H. Hooper *John C. Hooper*  
Chief, Laboratory Evaluation/Quality Assurance Section

TO: HAROLD SEABROOK

Attached are the results of analysis of samples collected as part of the subject project.

As a result of the Quality Assurance Review, certain data qualifiers may have been placed on the data. Attached is a DATA QUALIFIER REPORT which explains the reasons that these qualifiers were required.

If you have any questions please contact me.

ATTACHMENT

RECEIVED

FEB 24 1994

S.C. Dept. of Health & Environmental  
Control - Solid & Hazardous  
Waste Management

# ORGANIC DATA QUALIFIER REPORT

Case Number 21510

Project Number 94-0234

SAS Number

Site ID. Sumter Inert Site, Sumter, SC

<u>Affected Sample</u>	<u>Compound or Fraction</u>	<u>Flag</u>	<u>Reason</u>
<u>Volatiles</u>			
82102	acetone	N	common lab contaminant
82103	all volatiles	J	low internal standards
82106	4-methyl-2-pentanone	J	low internal standard
	2-hexanone, xylenes	J	low internal standard
	tetrachloroethene	J	low internal standard
	1,1,2,2-tetrachloroethane	J	low internal standard
	toluene, styrene	J	low internal standard
	chlorobenzene	J	low internal standard
	ethylbenzene	J	low internal standard
82105,82108,82113	acetone	N	common lab contaminant
82113	carbon disulfide	J	<quantitation limit
82495	trichloroethene	J	<quantitation limit
<u>Extractables</u>			
82103	4-methylphenol	J	<quantitation limit
	acenaphthylene	J	<quantitation limit
	acenaphthene	J	<quantitation limit,dilution
	fluorene	J	<quantitation limit,dilution
	4,6-dinitro-2-methylphenol	J	low internal standard
	N-nitrosodiphenylamine	J	low internal standard
	4-bromophenylphenylether	J	low internal standard
	hexachlorobenzene	J	low internal standard
	pentachlorophenol	J	low internal standard
	anthracene	J	<quantitation limit,dilution
	carbazole	J	<quantitation limit,dilution
	di-n-butylphthalate	J	low internal standard
	butylbenzylphthalate	J	low internal standard
	3,3'-dichlorobenzidine	J	low internal standard
	bis(2-ethylhexyl)phthalate	J	low internal standard
	di-n-octylphthalate	J	low internal standard
	indeno(1,2,3-cd)pyrene	J	<quantitation limit,dilution
	dibenz(a,h)anthracene	J	low internal standard
	benzo(g,h,i)perylene	J	low internal standard
82104	fluoranthene	J	<quantitation limit
	pyrene	J	<quantitation limit
	chrysene	J	<quantitation limit
82104,82106	di-n-octylphthalate	J	low internal standard
	benzo(b/k)fluoranthene	J	low internal standard
	benzo(a)pyrene	J	low internal standard
	indeno(1,2,3-cd)pyrene	J	low internal standard
	dibenz(a,h)anthracene	J	low internal standard
	benzo(g,h,i)perylene	J	low internal standard
82106,82109	fluoranthene	J	<quantitation limit
	pyrene	J	<quantitation limit
82113	naphthalene	J	<quantitation limit
	fluoranthene	J	<quantitation limit
	pyrene	J	<quantitation limit

# SAMPLE AND ANALYSIS MANAGEMENT SYSTEM EPA-REGION IV ESD, ATHENS, GA.

02/17/94

## EXTRACTABLE ORGANICS DATA REPORT

\*\*\* PROJECT NO. 94-0234 SAMPLE NO. 82102 SAMPLE TYPE: SOIL  
 \*\*\* SOURCE: SUMTER INERT SITE  
 \*\*\* STATION ID: SB-01  
 \*\*\* CASE NO.: 21510  
 \*\*\* UG/KG

\*\*\* SAS NO.: \*\*\* D. NO.: GJ53  
 \*\*\* UG/KG

## ANALYTICAL RESULTS

390U PHENOL  
 390U BIS(2-CHLOROETHYL) ETHER  
 390U 2-CHLOROPHENOL  
 390U 1,3-DICHLOROBENZENE  
 390U 1,4-DICHLOROBENZENE  
 390U 1,2-DICHLOROBENZENE  
 390U 2-METHYLPHENOL  
 390U 2,2'-CHLOROISOPROPYLETHYER  
 390U (3-AND/OR 4-)METHYLPHENOL  
 390U N-NITROSODI-N-PROPYLAMINE  
 390U HEXACHLOROETHANE  
 390U NITROBENZENE  
 390U ISOPHORONE  
 390U 2-NITROPHENOL  
 390U 2,4-DIMETHYLPHENOL  
 390U BIS(2-CHLOROETHOXY) METHANE  
 390U 2,4-DICHLOROPHENOL  
 390U 1,2,4-TRICHLOROBENZENE  
 390U NAPHTHALENE  
 390U 4-CHLOROANILINE  
 390U HEXACHLOROBUTADIENE  
 390U 4-CHLORO-3-METHYLPHENOL  
 390U 2-METHYLNAPHTHALENE  
 390U HEXACHLOROCYCLOPENTADIENE (HCCP)  
 390U 2,4,6-TRICHLOROPHENOL  
 390U 2,4,5-TRICHLOROPHENOL  
 390U 2-CHLORONAPHTHALENE  
 390U 2-NITROANILINE  
 390U DIMETHYL PHTHALATE  
 390U ACENAPHTHYLENE  
 390U 2,6-DINITROTOLUENE

3-NITROANILINE  
 390U ACENAPHTHENE  
 390U 2,4-DINITROPHENOL  
 390U 4-NITROPHENOL  
 390U DIBENZOFURAN  
 390U 2,4-DINITROTOLUENE  
 390U DIETHYL PHTHALATE  
 390U 4-CHLOROPHENYL PHENYL ETHER  
 390U FLUORENE  
 390U 4-NITROANILINE  
 390U 2-METHYL-4,6-DINITROPHENOL  
 390U N-NITROSODIPHENYLAMINE/DIPHENYLAMINE  
 390U 4-BROMOPHENYL PHENYL ETHER  
 390U HEXACHLOROBENZENE (HCB)  
 390U PENTACHLOROPHENOL  
 390U PHENANTHRENE  
 390U ANTHRACENE  
 390U CARBAZOLE  
 390U DI-N-BUTYLPHTHALATE  
 390U FLUORANTHENE  
 390U PYRENE  
 390U BENZYL BUTYL PHTHALATE  
 390U 3,3'-DICHLOROBENZIDINE  
 390U BENZO(A)ANTHRACENE  
 390U CHRYSENE  
 390U BIS(2-ETHYLHEXYL) PHTHALATE  
 390U DI-N-OCTYLPHTHALATE  
 390U BENZO(B AND/OR K)FLUORANTHENE  
 390U BENZO-A-PYRENE  
 390U INDENO (1,2,3-CD) PYRENE  
 390U DIBENZO(A,H)ANTHRACENE  
 390U BENZO(GH)PERYLENE  
 390U PERCENT MOISTURE  
 16

## ANALYTICAL RESULTS

\*\*\*REMARKS\*\*\*

\*\*\*REMARKS\*\*\*

## \*\*\*FOOTNOTES\*\*\*

\*A-AVERAGE VALUE  
 \*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN  
 \*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTITATION LIMIT  
 \*R-QC INDICATES THAT DATA UNUSABLE. COMPOUND MAY OR MAY NOT BE PRESENT. RESAMPLING AND REANALYSIS IS NECESSARY FOR VERIFICATION.

\*NAT-INTERFERENCES  
 \*J-ESTIMATED VALUE  
 \*N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL  
 \*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

02/17/94

EXTRACTABLE ORGANICS DATA REPORT

\*\*\* PROJECT NO. 94-0234 SAMPLE NO. 82103 SAMPLE TYPE: SOIL  
\*\*\* SOURCE: SUMTER INERT SITE  
\*\*\* STATION ID: SB-02  
\*\*\*

\*\*\* CASE NO. : 21510 SAS NO. : D. NO. : GJ54

\*\*\* UG/KG ANALYTICAL RESULTS ANALYTICAL RESULTS

430U	PHENOL	1000U	3-NITROANILINE
430U	BIS(2-CHLOROETHYL) ETHER	4300J	ACENAPHTHENE
430U	2-CHLOROPHENOL	1000U	2,4-DINITROPHENOL
430U	1,3-DICHLOROBENZENE	1000U	4-NITROPHENOL
430U	1,4-DICHLOROBENZENE	2400	DIBENZOFURAN
430U	1,2-DICHLOROBENZENE	430U	2,4-DINITROTOLUENE
430U	2-METHYLPHENOL	430U	DIETHYL PHTHALATE
430U	2,2'-CHLOROISOPROPYLETHER	430U	4-CHLOROPHENYL PHENYL ETHER
120J	(3-AND/OR 4-)METHYLPHENOL	4900J	FLUORENE
430U	N-NITROSODI-N-PROPYLAMINE	1000U	4-NITROANILINE
430U	HEXACHLOROETHANE	1000U	2-METHYL-4,6-DINITROPHENOL
430U	NITROBENZENE	430U	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
430U	ISOPHORONE	430U	4-BROMOPHENYL PHENYL ETHER
430U	2-NITROPHENOL	430U	HEXACHLOROBENZENE (HCB)
430U	2,4-DIMETHYLPHENOL	1000U	PENTACHLOROPHENOL
430U	BIS(2-CHLOROETHOXY) METHANE	3000U	PHENANTHRENE
430U	2,4-DICHLOROPHENOL	6400J	ANTHRACENE
430U	1,2,4-TRICHLOROBENZENE	4300J	CARBAZOLE
2100	NAPHTHALENE	430U	DI-N-BUTYL PHTHALATE
430U	4-CHLOROANILINE	37000	FLUORANTHENE
430U	HEXACHLOROBUTADIENE	28000	PYRENE
430U	4-CHLORO-3-METHYLPHENOL	430U	BENZYL BUTYL PHTHALATE
1100	2-METHYLNAPHTHALENE	430U	3,3'-DICHLOROBENZIDINE
430U	HEXACHLOROCYCLOPENTADIENE (HCCP)	22000	BENZO(A)ANTHRACENE
430U	2,4,6-TRICHLOROPHENOL	19000	CHRYSENE
1000U	2,4,5-TRICHLOROPHENOL	1200J	BIS(2-ETHYLHEXYL) PHTHALATE
430U	2-CHLORONAPHTHALENE	430U	DI-N-OCTYL PHTHALATE
1000U	2-NITROANILINE	17000	BENZO(B AND/OR K)FLUORANTHENE
430U	DIMETHYL PHTHALATE	12000	BENZO-A-PYRENE
200J	ACENAPHTHYLENE	7600J	INDENO (1,2,3-CD) PYRENE
430U	2,6-DINITROTOLUENE	2000J	DIBENZO(A,H)ANTHRACENE
		430U	BENZO(GH)PERYLENE
		23	PERCENT MOISTURE

\*\*\*REMARKS\*\*\*

\*\*\*REMARKS\*\*\*

\*\*\*FOOTNOTES\*\*\*

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# SAMPLE AND ANALYSIS MANAGEMENT SYSTEM EPA-REGION IV ESD, ATHENS, GA.

02/17/94

## EXTRACTABLE ORGANICS DATA REPORT

PROJECT NO. 94-0234 SAMPLE NO. 82104 SAMPLE TYPE: SOIL  
SOURCE: SUMTER INERT SITE  
STATION ID: 58-03

PROG ELEM: NSF COLLECTED BY: FM CARNS  
CITY: SUMTER ST: SC  
COLLECTION START: 01/12/94 1040 STOP: 00/00/00

CASE NO.: 21510 SAS NO.:  
UG/KG ANALYTICAL RESULTS UG/KG ANALYTICAL RESULTS

370U	PHENOL	900U	3-NITROANILINE
370U	BIS(2-CHLOROETHYL) ETHER	370U	ACENAPHTHENE
370U	2-CHLOROPHENOL	900U	2,4-DINITROPHENOL
370U	1,3-DICHLOROBENZENE	900U	4-NITROPHENOL
370U	1,4-DICHLOROBENZENE	370U	DIBENZOFURAN
370U	2-METHYLPHENOL	370U	2,4-DINITROTOLUENE
370U	2-CHLOROISOPROPYLETHYR	370U	DIETHYL PHTHALATE
370U	(3-AND/OR 4-)METHYLPHENOL	370U	4-CHLOROPHENYL PHENYL ETHER
370U	N-NITROSODI-N-PROPYLAMINE	370U	FLUORENE
370U	HEXACHLOROETHANE	900U	4-NITROANILINE
370U	NITROBENZENE	900U	2-METHYL-4,6-DINITROPHENOL
370U	ISOPHORONE	370U	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
370U	2-NITROPHENOL	370U	4-BROMOPHENYL PHENYL ETHER
370U	2,4-DIMETHYLPHENOL	900U	HEXACHLOROBENZENE (HCB)
370U	BIS(2-CHLOROETHOXY) METHANE	370U	PENTACHLOROPHENOL
370U	2,4-DICHLOROPHENOL	370U	PHENANTHRENE
370U	1,2,4-TRICHLOROBENZENE	370U	ANTHRACENE
370U	NAPHTHALENE	370U	CARBAZOLE
370U	4-CHLOROANILINE	370U	DI-N-BUTYL PHTHALATE
370U	HEXACHLOROBUTADIENE	91J	FLUORANTHENE
370U	4-CHLORO-3-METHYLPHENOL	100J	PYRENE
370U	2-METHYLNAPHTHALENE	370U	BENZYL BUTYL PHTHALATE
370U	HEXACHLOROCYCLOPENTADIENE (HCCP)	370U	3,3'-DICHLOROBENZIDINE
370U	2,4,6-TRICHLOROPHENOL	370U	BENZO(A)ANTHRACENE
900U	2,4,5-TRICHLOROPHENOL	94J	CHRYSENE
370U	2-CHLORONAPHTHALENE	370U	BIS(2-ETHYLHEXYL) PHTHALATE
900U	2-NITROANILINE	370UJ	DI-N-OCTYL PHTHALATE
370U	DIMETHYL PHTHALATE	370UJ	BENZO(B AND/OR K)FLUORANTHENE
370U	ACENAPHTHYLENE	370UJ	BENZO-A-PYRENE
370U	2,6-DINITROTOLUENE	370UJ	INDENO (1,2,3-CD) PYRENE
		370UJ	DIBENZO(A,H)ANTHRACENE
		370UJ	BENZO(GHI)PERYLENE
		11	PERCENT MOISTURE

\*\*\*REMARKS\*\*\*

\*\*\*REMARKS\*\*\*

\*\*\*FOOTNOTES\*\*\*  
\*A-AVERAGE VALUE \*NA-NOT ANALYZED \*NAI-INTERFERENCES \*J-ESTIMATED VALUE \*N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL  
\*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN \*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN  
\*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTITATION LIMIT.  
\*R-OC INDICATES THAT DATA UNUSABLE. COMPOUND MAY OR MAY NOT BE PRESENT. RESAMPLING AND REANALYSIS IS NECESSARY FOR VERIFICATION.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

02/17/94

EXTRACTABLE ORGANICS DATA REPORT

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\*\* PROJECT NO. 94-0234 SAMPLE NO. 82105 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: FM CARNS \*\*  
\*\* SOURCE: SUMTER INERT SITE CITY: SUMTER ST: SC \*\*  
\*\* STATION ID: SB-04 COLLECTION START: 01/12/94 1225 STOP: 00/00/00 \*\*  
\*\* \*\*

\*\* CASE NO.: 21510 SAS NO.: D. NO.: GJ56 \*\*  
\*\*\* \*\*

UG/KG ANALYTICAL RESULTS

390U PHENOL  
390U BIS(2-CHLOROETHYL) ETHER  
390U 2-CHLOROPHENOL  
390U 1,3-DICHLOROBENZENE  
390U 1,4-DICHLOROBENZENE  
390U 1,2-DICHLOROBENZENE  
390U 2-METHYLPHENOL  
390U 2,2'-CHLOROISOPROPYLETHYR  
390U (3-AND/OR 4-)METHYLPHENOL  
390U N-NITROSODI-N-PROPYLAMINE  
390U HEXACHLOROETHANE  
390U NITROBENZENE  
390U ISOPHORONE  
390U 2-NITROPHENOL  
390U 2,4-DIMETHYLPHENOL  
390U BIS(2-CHLOROETHOXY) METHANE  
390U 2,4-DICHLOROPHENOL  
390U 1,2,4-TRICHLOROBENZENE  
390U NAPHTHALENE  
390U 4-CHLOROANILINE  
390U HEXACHLOROBUTADIENE  
390U 4-CHLORO-3-METHYLPHENOL  
390U 2-METHYLNAPHTHALENE  
390U HEXACHLOROCYCLOPENTADIENE (HCCP)  
390U 2,4,6-TRICHLOROPHENOL  
950U 2,4,5-TRICHLOROPHENOL  
390U 2-CHLORONAPHTHALENE  
950U 2-NITROANILINE  
390U DIMETHYL PHTHALATE  
390U ACENAPHTHYLENE  
390U 2,6-DINITROTOLUENE

UG/KG ANALYTICAL RESULTS

950U 3-NITROANILINE  
390U ACENAPHTHENE  
950U 2,4-DINITROPHENOL  
950U 4-NITROPHENOL  
390U DIBENZOFURAN  
390U 2,4-DINITROTOLUENE  
390U DIETHYL PHTHALATE  
390U 4-CHLOROPHENYL PHENYL ETHER  
390U FLUORENE  
950U 4-NITROANILINE  
950U 2-METHYL-4,6-DINITROPHENOL  
390U N-NITROSODIPHENYLAMINE/DIPHENYLAMINE  
390U 4-BROMOPHENYL PHENYL ETHER  
390U HEXACHLOROBENZENE (HCB)  
950U PENTACHLOROPHENOL  
390U PHENANTHRENE  
390U ANTHRACENE  
390U CARBAZOLE  
390U DI-N-BUTYLPHTHALATE  
390U FLUORANTHENE  
390U PYRENE  
390U BENZYL BUTYL PHTHALATE  
390U 3,3'-DICHLOROBENZIDINE  
390U BENZO(A)ANTHRACENE  
390U CHRYSENE  
390U BIS(2-ETHYLHEXYL) PHTHALATE  
390U DI-N-OCTYLPHTHALATE  
390U BENZO(B AND/OR K)FLUORANTHENE  
390U BENZO-A-PYRENE  
390U INDENO (1,2,3-CD) PYRENE  
390U DIBENZO(A,H)ANTHRACENE  
390U BENZO(GH)PERYLENE  
16 PERCENT MOISTURE

\*\*\*REMARKS\*\*\*

\*\*\*REMARKS\*\*\*

\*\*\*FOOTNOTES\*\*\*

\*A-AVERAGE VALUE \*NA-NOT ANALYZED \*NAI-INTERFERENCES \*J-ESTIMATED VALUE \*N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL  
\*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN \*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN  
\*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTITATION LIMIT.  
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

02/17/94

EXTRACTABLE ORGANICS DATA REPORT

\*\*\* PROJECT NO. 94-0234 SAMPLE NO. 82106 SAMPLE TYPE: SOIL  
\*\*\* SOURCE: SUMTER INERT SITE  
\*\*\* STATION ID: SD-05

\*\*\* CASE NO.: 21510

SAS NO.:

D. NO.: GJ57

ANALYTICAL RESULTS

UG/KG

ANALYTICAL RESULTS

750U PHENOL	1800U 3-NITROANILINE
750U BIS(2-CHLOROETHYL) ETHER	750U ACENAPHTHENE
750U 2-CHLOROPHENOL	1800U 2,4-DINITROPHENOL
750U 1,3-DICHLOROBENZENE	1800U 4-NITROPHENOL
750U 1,4-DICHLOROBENZENE	750U DIBENZOFURAN
750U 2-DICHLOROBENZENE	750U 2,4-DINITROTOLUENE
750U 2-METHYLPHENOL	750U DIETHYL PHTHALATE
750U 2,2'-CHLOROISOPROPYLETH	750U 4-CHLOROPHENYL PHENYL ETHER
750U (3-AND/OR 4-)METHYLPHENOL	750U FLUORENE
750U N-NITROSODI-N-PROPYLAMINE	1800U 4-NITROANILINE
750U HEXACHLOROETHANE	1800U 2-METHYL-4,6-DINITROPHENOL
750U NITROBENZENE	750U N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
750U ISOPHORONE	750U 4-BROMOPHENYL PHENYL ETHER
750U 2-NITROPHENOL	750U HEXACHLOROBENZENE (HCB)
750U 2,4-DIMETHYLPHENOL	1800U PENTACHLOROPHENOL
750U BIS(2-CHLOROETHOXY) METHANE	750U PHENANTHRENE
750U 2,4-DICHLOROPHENOL	750U ANTHRACENE
750U 1,2,4-TRICHLOROBENZENE	750U CARBAZOLE
750U NAPHTHALENE	750U DI-N-BUTYL PHTHALATE
750U 4-CHLOROANILINE	100J FLUORANTHENE
750U HEXACHLOROBUTADIENE	110J PYRENE
750U 4-CHLORO-3-METHYLPHENOL	750U BENZYL BUTYL PHTHALATE
750U 2-METHYLNAPHTHALENE	750U 3,3'-DICHLOROBENZIDINE
750U HEXACHLOROCYCLOPENTADIENE (HCCP)	750U BENZO(A)ANTHRACENE
750U 2,4,6-TRICHLOROPHENOL	750U CHRYSENE
750U 2,4,5-TRICHLOROPHENOL	750U BIS(2-ETHYLHEXYL) PHTHALATE
750U 2-CHLORONAPHTHALENE	750U DI-N-OCTYL PHTHALATE
750U 2-NITROANILINE	750U BENZO(B AND/OR K)FLUORANTHENE
750U DIMETHYL PHTHALATE	750U BENZO-A-PYRENE
750U ACENAPHTHYLENE	750U INDENO (1,2,3-CD) PYRENE
750U 2,6-DINITROTOLUENE	750U DIBENZO(A,H)ANTHRACENE
	750U BENZO(GH)PERYLENE
	56 PERCENT MOISTURE

\*\*\*REMARKS\*\*\*

\*\*\*REMARKS\*\*\*

\*\*\*FOOTNOTES\*\*\*

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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

02/17/94

EXTRACTABLE ORGANICS DATA REPORT

\*\*\* PROJECT NO. 94-0234 \*\*\* SAMPLE NO. 82107 \*\*\*  
\*\*\* SOURCE: SUMTER INERT SITE \*\*\*  
\*\*\* STATION ID: SW-05 \*\*\*

PROG ELEM: NSF COLLECTED BY: FM CARNS  
CITY: SUMTER ST: SC  
COLLECTION START: 01/12/94 1015 STOP: 00/00/00

\*\*\* CASE NO.: 21510 \*\*\*  
\*\*\* UG/L \*\*\* ANALYTICAL RESULTS \*\*\*

SAS NO.:  
D. NO.: GJ58  
\*\*\* UG/L \*\*\* ANALYTICAL RESULTS \*\*\*

10U	PHENOL	25U	3-NITROANILINE
10U	BIS(2-CHLOROETHYL) ETHER	10U	ACENAPHTHENE
10U	2-CHLOROPHENOL	25U	2,4-DINITROPHENOL
10U	1,3-DICHLOROBENZENE	25U	4-NITROPHENOL
10U	1,4-DICHLOROBENZENE	10U	DIBENZOFURAN
10U	1,2-DICHLOROBENZENE	10U	2,4-DINITROTOLUENE
10U	2-METHYLPHENOL	10U	DIETHYL PHTHALATE
10U	2,2'-CHLORISOPROPYLETHET	10U	4-CHLOROPHENYL PHENYL ETHER
10U	(3-AND/OR 4-)METHYLPHENOL	10U	FLUORENE
10U	N-NITROSODI-N-PROPYLAMINE	25U	4-NITROANILINE
10U	HEXACHLOROETHANE	25U	2-METHYL-4,6-DINITROPHENOL
10U	NITROBENZENE	10U	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
10U	ISOPHORENE	10U	4-BROMOPHENYL PHENYL ETHER
10U	2-NITROPHENOL	10U	HEXACHLOROBENZENE (HCB)
10U	2,4-DIMETHYLPHENOL	25U	PENTACHLOROPHENOL
10U	BIS(2-CHLOROETHOXY) METHANE	10U	PHENANTHRENE
10U	2,4-DICHLOROPHENOL	10U	ANTHRACENE
10U	1,2,4-TRICHLOROBENZENE	10U	CARBAZOLE
10U	NAPHTHALENE	10U	DI-N-BUTYL PHTHALATE
10U	4-CHLORANILINE	10U	FLUORANTHENE
10U	HEXACHLOROBUTADIENE	10U	PYRENE
10U	4-CHLORO-3-METHYLPHENOL	10U	BENZYL BUTYL PHTHALATE
10U	2-METHYLNAPHTHALENE	10U	3,3'-DICHLOROBENZIDINE
10U	HEXACHLOROCYCLOPENTADIENE (HCCP)	10U	BENZO(A)ANTHRACENE
10U	2,4,6-TRICHLOROPHENOL	10U	CHRYSENE
25U	2,4,5-TRICHLOROPHENOL	10U	BIS(2-ETHYLHEXYL) PHTHALATE
10U	2-CHLORONAPHTHALENE	10U	DI-N-OCTYL PHTHALATE
25U	2-NITROANILINE	10U	BENZO(B AND/OR K)FLUORANTHENE
10U	DIMETHYL PHTHALATE	10U	BENZO(A-PYRENE
10U	ACENAPHTHYLENE	10U	INDENO (1,2,3-CD) PYRENE
10U	2,6-DINITROTOLUENE	10U	DIBENZO(A,H)ANTHRACENE
		10U	BENZO(GH1)PERYLENE

\*\*\*REMARKS\*\*\*

\*\*\*REMARKS\*\*\*

\*\*\*FOOTNOTES\*\*\*  
\*A-AVERAGE VALUE \*NA-NOT ANALYZED \*NAI-INTERFERENCES \*J-ESTIMATED VALUE \*N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL  
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

02/17/94

EXTRACTABLE ORGANICS DATA REPORT

\*\*\* PROJECT NO. 94-0234 \*\*\* SAMPLE NO. 82108 \*\*\*  
\*\*\* SOURCE: SUMTER INERT SITE \*\*\*  
\*\*\* STATION ID: SW-08 \*\*\*

PROG ELEM: NSF COLLECTED BY: FM CARNS  
CITY: SUMTER ST: SC  
COLLECTION START: 01/12/94 1200 STOP: 00/00/00

\*\*\* CASE NO.: 21510 \*\*\* SAS NO.: D. NO.: GJ59 \*\*\*  
\*\*\* UG/L \*\*\* ANALYTICAL RESULTS \*\*\* UG/L \*\*\* ANALYTICAL RESULTS \*\*\*

10U PHENOL	25U 3-NITROANILINE
10U BIS(2-CHLOROETHYL) ETHER	10U ACENAPHTHENE
10U 2-CHLOROPHENOL	25U 2,4-DINITROPHENOL
10U 1,3-DICHLOROBENZENE	25U 4-NITROPHENOL
10U 1,4-DICHLOROBENZENE	10U DIBENZOFURAN
10U 1,2-DICHLOROBENZENE	10U 2,4-DINITROTOLUENE
10U 2-METHYLPHENOL	10U DIETHYL PHTHALATE
10U 2,2'-CHLORISOPROPYLETHET	10U 4-CHLOROPHENYL PHENYL ETHER
10U (3-AND/OR 4-)METHYLPHENOL	10U FLUORENE
10U N-NITROSODI-N-PROPYLAMINE	25U 4-NITROANILINE
10U HEXACHLOROETHANE	25U 2-METHYL-4,6-DINITROPHENOL
10U NITROBENZENE	10U N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
10U ISOPHORONE	10U 4-BROMOPHENYL PHENYL ETHER
10U 2-NITROPHENOL	25U PENTACHLOROBENZENE (HCB)
10U 2,4-DIMETHYLPHENOL	10U PHENANTHRENE
10U BIS(2-CHLOROETHOXY) METHANE	10U ANTHRACENE
10U 2,4-DICHLOROPHENOL	10U CARBAZOLE
10U 1,2,4-TRICHLOROBENZENE	10U DI-N-BUTYL PHTHALATE
10U NAPHTHALENE	10U FLUORANTHENE
10U 4-CHLOROANILINE	10U PYRENE
10U HEXACHLOROBUTADIENE	10U BENZYL BUTYL PHTHALATE
10U 4-CHLORO-3-METHYL PHENOL	10U 3,3'-DICHLOROBENZIDINE
10U 2-METHYLNAPHTHALENE	10U BENZO(A)ANTHRACENE
10U HEXACHLOROCYCLOPENTADIENE (HCCP)	10U CHRYSENE
10U 2,4,6-TRICHLOROPHENOL	10U BIS(2-ETHYLHEXYL) PHTHALATE
10U 2,4,5-TRICHLOROPHENOL	10U DI-N-OCTYL PHTHALATE
10U 2-CHLORONAPHTHALENE	10U BENZO(B AND/OR K)FLUORANTHENE
25U 2-NITROANILINE	10U BENZO-A-PYRENE
10U DIMETHYL PHTHALATE	10U INDENO (1,2,3-CD) PYRENE
10U ACENAPHTHYLENE	10U DIBENZO(A,H)ANTHRACENE
10U 2,6-DINITROTOLUENE	10U BENZO(GH)PERYLENE

\*\*\*REMARKS\*\*\*

\*\*\*REMARKS\*\*\*

\*\*\*FOOTNOTES\*\*\*  
\*A-AVERAGE VALUE \*NA-NOT ANALYZED \*NAI-INTERFERENCES \*J-ESTIMATED VALUE \*N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL  
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

02/17/94

\*\*\* EXTRACTABLE ORGANICS DATA REPORT \*\*\*  
 \*\*\* PROJECT NO. 94-0234 SAMPLE NO. 82109 SAMPLE TYPE: SOIL \*\*\*  
 \*\*\* SOURCE: SUMTER INERT SITE \*\*\*  
 \*\*\* STATION ID: SD-08 \*\*\*  
 \*\*\* CASE NO.: 21510 \*\*\*  
 \*\*\* SAS NO.: \*\*\*  
 \*\*\* D. NO.: GJ60 \*\*\*  
 \*\*\* UG/KG \*\*\*  
 \*\*\* ANALYTICAL RESULTS \*\*\*  
 \*\*\* PROG ELEM: NSF COLLECTED BY: FM CARNS \*\*\*  
 \*\*\* CITY: SUMTER ST: SC \*\*\*  
 \*\*\* COLLECTION START: 01/12/94 1215 STOP: 00/00/00 \*\*\*

UG/KG	ANALYTICAL RESULTS	UG/KG	ANALYTICAL RESULTS
430U	PHENOL	1000U	3-NITROANILINE
430U	BIS(2-CHLOROETHYL) ETHER	430U	ACENAPHTHENE
430U	2-CHLOROPHENOL	1000U	2,4-DINITROPHENOL
430U	1,3-DICHLOROBENZENE	1000U	4-NITROPHENOL
430U	1,4-DICHLOROBENZENE	430U	DIBENZOFURAN
430U	1,2-DICHLOROBENZENE	430U	2,4-DINITROTOLUENE
430U	2-METHYLPHENOL	430U	DIETHYL PHTHALATE
430U	2,2'-CHLOROISOPROPYLETHET	430U	4-CHLOROPHENYL PHENYL ETHER
430U	(3-AND/OR 4-)METHYLPHENOL	430U	FLUORENE
430U	N-NITROSODI-N-PROPYLAMINE	1000U	4-NITROANILINE
430U	HEXACHLOROETHANE	1000U	2-METHYL-4,6-DINITROPHENOL
430U	NITROBENZENE	430U	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
430U	ISOPHORONE	430U	4-BROMOPHENYL PHENYL ETHER
430U	2-NITROPHENOL	430U	HEXACHLOROBENZENE (HCB)
430U	2,4-DIMETHYLPHENOL	1000U	PENTACHLOROPHENOL
430U	BIS(2-CHLOROETHOXY) METHANE	430U	ANTHRACENE
430U	2,4-DICHLOROPHENOL	430U	CARBAZOLE
430U	1,2,4-TRICHLOROBENZENE	430U	DI-N-BUTYL PHTHALATE
430U	NAPHTHALENE	55U	FLUORANTHENE
430U	4-CHLOROANILINE	60U	PYRENE
430U	HEXACHLOROBUTADIENE	430U	BENZYL BUTYL PHTHALATE
430U	2-METHYLNAPHTHALENE	430U	3,3',-DICHLOROBENZIDINE
430U	HEXACHLOROCYCLOPENTADIENE (HCCP)	430U	BENZO(A)ANTHRACENE
430U	2,4,6-TRICHLOROPHENOL	430U	CHRYSENE
1000U	2,4,5-TRICHLOROPHENOL	430U	BIS(2-ETHYLHEXYL) PHTHALATE
430U	2-CHLORONAPHTHALENE	430U	DI-N-OCTYL PHTHALATE
1000U	2-NITROANILINE	430U	BENZO(B AND/OR K)FLUORANTHENE
430U	DIMETHYL PHTHALATE	430U	BENZO-A-PYRENE
430U	ACENAPHTHYLENE	430U	INDENO (1,2,3-CD) PYRENE
430U	2,6-DINITROTOLUENE	430U	DIBENZO(A,H)ANTHRACENE
		24	BENZO(GH)PERYLENE
			PERCENT MOISTURE

\*\*\*REMARKS\*\*\*

\*\*\*REMARKS\*\*\*

\*\*\*FOOTNOTES\*\*\*  
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

02/17/94

EXTRACTABLE ORGANICS DATA REPORT  
PROJECT NO. 94-0234 SAMPLE NO. 82110  
SOURCE: SUMTER INERT SITE  
STATION ID: MM-09

PROG ELEM: NSF COLLECTED BY: FM CARNS  
CITY: SUMTER ST: SC  
COLLECTION START: 01/12/94 1055 STOP: 00/00/00

CASE NO.: 21510 SAS NO.: D. NO.: 6461  
UG/L ANALYTICAL RESULTS UG/L ANALYTICAL RESULTS

100 PHENOL	250 3-NITROANILINE
100 BIS(2-CHLOROETHYL) ETHER	100 ACENAPHTHENE
100 2-CHLOROPHENOL	250 2,4-DINITROPHENOL
100 1,3-DICHLOROBENZENE	250 4-NITROPHENOL
100 1,4-DICHLOROBENZENE	100 DIBENZOFURAN
100 1,2-DICHLOROBENZENE	2,4-DINITROTOLUENE
100 2-METHYLPHENOL	100 DIETHYL PHTHALATE
100 2,2-CHLOROISOPROPYLETHYR	100 4-CHLOROPHENYL PHENYL ETHER
100 (3-AND/OR 4-METHYLPHENOL	100 FLUORENE
100 N-NITROSODI-N-PROPYLAMINE	250 4-NITROANILINE
100 HEXACHLOROETHANE	250 2-METHYL-4,6-DINITROPHENOL
100 NITROBENZENE	100 N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
100 ISOPHORONE	100 4-BROMOPHENYL PHENYL ETHER
100 2-NITROPHENOL	250 PENTACHLOROBENZENE (HCB)
100 2,4-DIMETHYLPHENOL	100 PHENANTHRENE
100 BIS(2-CHLOROETHOXY) METHANE	100 ANTHRACENE
100 2,4-DICHLOROPHENOL	100 CARBAZOLE
100 1,2,4-TRICHLOROBENZENE	100 DI-N-BUTYL PHTHALATE
100 NAPHTHALENE	100 FLUORANTHENE
100 4-CHLOROANILINE	100 PYRENE
100 HEXACHLOROBTADIENE	100 BENZYL BUTYL PHTHALATE
100 4-CHLORO-3-METHYLPHENOL	100 3,3'-DICHLOROBENZIDINE
100 2-METHYLNAPHTHALENE	100 BENZO(A)ANTHRACENE
100 HEXACHLOROOCYCLOPENTADIENE (HCCP)	100 CHRYSENE
100 2,4,6-TRICHLOROPHENOL	100 BIS(2-ETHYLHEXYL) PHTHALATE
250 2,4,5-TRICHLOROPHENOL	100 DI-N-OCTYL PHTHALATE
100 2-CHLORONAPHTHALENE	100 BENZO(B AND/OR K)FLUORANTHENE
250 2-NITROANILINE	100 BENZO-A-PYRENE
100 DIMETHYL PHTHALATE	100 INDENO (1,2,3-CD) PYRENE
100 ACENAPHTHYLENE	100 DIBENZO(A,H)ANTHRACENE
100 2,6-DINITROTOLUENE	100 BENZO(GHI)PERYLENE

\*\*\*REMARKS\*\*\*

\*\*\*REMARKS\*\*\*

\*\*\*FOOTNOTES\*\*\*  
\*A-AVERAGE VALUE \*NA-NOT ANALYZED \*NAI-INTERFERENCES \*J-ESTIMATED VALUE \*N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL  
\*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN \*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN  
\*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTITATION LIMIT.  
\*R-OC INDICATES THAT DATA UNSABLE. COMPOUND MAY OR MAY NOT BE PRESENT. RESAMPLING AND REANALYSIS IS NECESSARY FOR VERIFICATION.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

02/17/94

EXTRACTABLE ORGANICS DATA REPORT

\*\*\* PROJECT NO. 94-0234 \*\*\* SAMPLE NO. 82117 \*\*\*  
\*\*\* SOURCE: SUMTER INERT SITE \*\*\*  
\*\*\* STATION ID: MW-12 \*\*\*

PROG ELEM: NSF COLLECTED BY: FM CARNS  
CITY: SUMTER ST: SC  
COLLECTION START: 01/12/94 1215 STOP: 00/00/00

\*\*\* CASE NO.: 21510 \*\*\* SAS NO.: D. NO.: GJ62 \*\*\*  
\*\*\* UG/L \*\*\* ANALYTICAL RESULTS \*\*\* UG/L \*\*\* ANALYTICAL RESULTS \*\*\*

10U	PHENOL	25U	3-NITROANILINE
10U	BIS(2-CHLOROETHYL) ETHER	10U	ACENAPHTHENE
10U	2-CHLOROPHENOL	25U	2,4-DINITROPHENOL
10U	1,3-DICHLOROBENZENE	25U	4-NITROPHENOL
10U	1,4-DICHLOROBENZENE	10U	DIBENZOFURAN
10U	1,2-DICHLOROBENZENE	10U	2,4-DINITROTOLUENE
10U	2-METHYLPHENOL	10U	DIETHYL PHTHALATE
10U	2,2'-CHLORISOPROPYLETHET	10U	4-CHLOROPHENYL PHENYL ETHER
10U	(3-AND/OR 4-)METHYLPHENOL	10U	FLUORENE
10U	N-NITROSODI-N-PROPYLAMINE	25U	4-NITROANILINE
10U	HEXACHLOROETHANE	25U	2-METHYL-4,6-DINITROPHENOL
10U	NITROBENZENE	10U	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
10U	ISOPHORONE	10U	4-BROMOPHENYL PHENYL ETHER
10U	2-NITROPHENOL	25U	HEXACHLOROETHANE (HCB)
10U	BIS(2-CHLOROETHOXY) METHANE	10U	PENTACHLOROPHENOL
10U	2,4-DICHLOROPHENOL	10U	PHENANTHRENE
10U	1,2,4-TRICHLOROBENZENE	10U	ANTHRACENE
10U	NAPHTHALENE	10U	CARBAZOLE
10U	4-CHLOROANILINE	10U	DI-N-BUTYL PHTHALATE
10U	HEXACHLOROBUTADIENE	10U	FLUORANTHENE
10U	4-CHLORO-3-METHYLPHENOL	10U	PYRENE
10U	2-METHYLNAPHTHALENE	10U	BENZYL BUTYL PHTHALATE
10U	HEXACHLOROCYCLOPENTADIENE (HCCP)	10U	3,3'-DICHLOROBENZIDINE
10U	2,4,6-TRICHLOROPHENOL	10U	BENZOL(A)ANTHRACENE
25U	2,4,5-TRICHLOROPHENOL	10U	CHRYSENE
10U	2-CHLORONAPHTHALENE	10U	BIS(2-ETHYLHEXYL) PHTHALATE
25U	2-NITROANILINE	10U	DI-N-OCTYL PHTHALATE
10U	DIMETHYL PHTHALATE	10U	BENZO(B AND/OR K)FLUORANTHENE
10U	ACENAPHTHYLENE	10U	BENZO(A)PYRENE
10U	2,6-DINITROTOLUENE	10U	INDENO (1,2,3-CD) PYRENE
		10U	DIBENZO(A,H)ANTHRACENE
		10U	BENZO(GHI)PERYLENE

\*\*\*REMARKS\*\*\*

\*\*\*REMARKS\*\*\*

\*\*\*FOOTNOTES\*\*\*  
\*A-AVERAGE VALUE \*NA-NOT ANALYZED \*NAI-INTERFERENCES \*J-ESTIMATED VALUE \*N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL  
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

02/17/94

EXTRACTABLE ORGANICS DATA REPORT

\*\*\* PROJECT NO. 94-0234 SAMPLE NO. 82112 SAMPLE TYPE: GROUNDWA  
\*\*\* SOURCE: SUMTER INERT SITE  
\*\*\* STATION ID: MW-10

PROG ELEM: NSF COLLECTED BY: FM CARNS  
CITY: SUMTER ST: SC  
COLLECTION START: 01/12/94 1310 STOP: 00/00/00

CASE NO.: 21510 SAS NO.: D. NO.: GJ63  
UG/L ANALYTICAL RESULTS UG/L ANALYTICAL RESULTS

10U	PHENOL	25U	3-NITROANILINE
10U	BIS(2-CHLOROETHYL) ETHER	10U	ACENAPHTHENE
10U	2-CHLOROPHENOL	25U	2,4-DINITROPHENOL
10U	1,3-DICHLOROBENZENE	25U	4-NITROPHENOL
10U	1,4-DICHLOROBENZENE	10U	DIBENZOFURAN
10U	2-METHYLPHENOL	10U	2,4-DINITROTOLUENE
10U	2,2'-CHLOROISOPROPYLETHET	10U	DIETHYL PHTHALATE
10U	(3-AND/OR 4-)METHYLPHENOL	10U	4-CHLOROPHENYL PHENYL ETHER
10U	N-NITROSODI-N-PROPYLAMINE	25U	FLUORENE
10U	HEXACHLOROETHANE	25U	4-NITROANILINE
10U	NITROBENZENE	10U	2-METHYL-4,6-DINITROPHENOL
10U	ISOPHORONE	10U	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
10U	2-NITROPHENOL	10U	4-BROMOPHENYL PHENYL ETHER
10U	2,4-DIMETHYLPHENOL	25U	HEXACHLOROBENZENE (HCB)
10U	BIS(2-CHLOROETHOXY) METHANE	10U	PENTACHLOROPHENOL
10U	2,4-DICHLOROPHENOL	10U	PHENANTHRENE
10U	1,2,4-TRICHLOROBENZENE	10U	ANTHRACENE
10U	NAPHTHALENE	10U	CARBAZOLE
10U	4-CHLORONITROBENZENE	10U	DI-N-BUTYL PHTHALATE
10U	HEXACHLOROBUTADIENE	10U	FLUORANTHENE
10U	4-CHLORO-3-METHYL PHENOL	10U	PYRENE
10U	2-METHYLNAPHTHALENE	10U	BENZYL BUTYL PHTHALATE
10U	HEXACHLOROCYCLOPENTADIENE (HCCP)	10U	3,3'-DICHLOROBENZIDINE
10U	2,4,5-TRICHLOROPHENOL	10U	BENZO(A)ANTHRACENE
25U	2,4,6-TRICHLOROPHENOL	10U	CHRYSENE
10U	2-CHLORONAPHTHALENE	10U	BIS(2-ETHYLHEXYL) PHTHALATE
25U	2-NITROANILINE	10U	DI-N-OCTYL PHTHALATE
10U	DIMETHYL PHTHALATE	10U	BENZO(B AND/OR K)FLUORANTHENE
10U	ACENAPHTHYLENE	10U	BENZO-A-PYRENE
10U	2,6-DINITROTOLUENE	10U	INDENO (1,2,3-CD) PYRENE
		10U	DIBENZO(A,H)ANTHRACENE
		10U	BENZO(GH)PERYLENE

\*\*\*REMARKS\*\*\*

\*\*\*REMARKS\*\*\*

\*\*\*FOOTNOTES\*\*\*  
\*A-AVERAGE VALUE \*NA-NOT ANALYZED \*NAI-INTERFERENCES \*J-ESTIMATED VALUE \*N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL  
\*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN \*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN  
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

02/17/94

EXTRACTABLE ORGANICS DATA REPORT

\*\*\* PROJECT NO. 94-0234 SAMPLE NO. 82113 SAMPLE TYPE: GROUNDWA PROG ELEM: NSF COLLECTED BY: FM CARNIS  
\*\*\* SOURCE: SUMTER INERT SITE STATION ID: MW-11 CITY: SUMTER ST: SC STOP: 00/00/00  
\*\*\*

\*\*\* CASE NO.: 21510 SAS NO.: D. NO.: GJ64

ANALYTICAL RESULTS

ANALYTICAL RESULTS

UG/L

10U PHENOL  
10U BIS(2-CHLOROETHYL) ETHER  
10U 2-CHLOROPHENOL  
10U 1,3-DICHLOROBENZENE  
10U 1,4-DICHLOROBENZENE  
10U 1,2-DICHLOROBENZENE  
10U 2-METHYLPHENOL  
10U 2,2'-CHLOROISOPROPYLETHAN  
10U (3-AND/OR 4-METHYLPHENOL  
10U N-NITROSODI-N-PROPYLAMINE  
10U HEXACHLOROETHANE  
10U NITROBENZENE  
10U ISOPHORONE  
10U 2-NITROPHENOL  
10U 2,4-DIMETHYLPHENOL  
10U BIS(2-CHLOROETHOXY) METHANE  
10U 2,4-DICHLOROPHENOL  
10U 1,2,4-TRICHLOROBENZENE  
7U NAPHTHALENE  
10U 4-CHLOROANILINE  
10U HEXACHLOROBUTADIENE  
10U 4-CHLORO-3-METHYLPHENOL  
10U 2-METHYLNAPHTHALENE  
10U HEXACHLOROCYCLOPENTADIENE (HCCP)  
10U 2,4,6-TRICHLOROPHENOL  
25U 2,4,5-TRICHLOROPHENOL  
10U 2-CHLORONAPHTHALENE  
25U 2-NITROANILINE  
10U DIMETHYL PHTHALATE  
10U ACENAPHTHYLENE  
10U 2,6-DINITROTOLUENE

25U 3-NITROANILINE  
10U ACENAPHTHENE  
25U 2,4-DINITROPHENOL  
25U 4-NITROPHENOL  
10U DIBENZOFURAN  
10U 2,4-DINITROTOLUENE  
10U DIETHYL PHTHALATE  
10U 4-CHLOROPHENYL PHENYL ETHER  
10U FLUORENE  
25U 4-NITROANILINE  
25U 2-METHYL-4,6-DINITROPHENOL  
10U N-NITROSODIPHENYLAMINE/DIPHENYLAMINE  
10U 4-BROMOPHENYL PHENYL ETHER  
10U HEXACHLOROBENZENE (HCB)  
25U PENTACHLOROPHENOL  
10U PHENANTHRENE  
10U ANTHRACENE  
10U CARBAZOLE  
10U DI-N-BUTYL PHTHALATE  
2J FLUORANTHENE  
2J PYRENE  
10U BENZYL BUTYL PHTHALATE  
10U 3,3'-DICHLOROBENZIDINE  
10U BENZO(A)ANTHRACENE  
10U CHRYSENE  
10U BIS(2-ETHYLHEXYL) PHTHALATE  
10U DI-N-OCTYL PHTHALATE  
10U BENZO(B AND/OR K)FLUORANTHENE  
10U BENZO-A-PYRENE  
10U INDENO (1,2,3-CD) PYRENE  
10U DIBENZO(A,H)ANTHRACENE  
10U BENZO(GHI)PERYLENE

\*\*\*REMARKS\*\*\*

\*\*\*REMARKS\*\*\*

\*\*\*FOOTNOTES\*\*\*  
\*A-AVERAGE VALUE \*NA-NOT ANALYZED \*NAT-INTERFERENCES \*J-ESTIMATED VALUE \*N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL  
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

02/17/94

EXTRACTABLE ORGANICS DATA REPORT

\*\*\* PROJECT NO. 94-0234 SAMPLE NO. 82114 SAMPLE TYPE: SOIL  
\*\*\* SOURCE: SUMTER INERT SITE  
\*\*\* STATION ID: SB-13

PROG ELEM: NSF COLLECTED BY: FM CARNS  
CITY: SUMTER ST. SC  
COLLECTION START: 01/12/94 1010 STOP: 00/00/00

CASE NO.: 21510

D. NO.: GJ65

SAS NO.:

ANALYTICAL RESULTS

ANALYTICAL RESULTS

UG/KG

3900	PHENOL	3900	3-NITROANILINE
3900	BIS(2-CHLOROETHYL) ETHER	3900	ACENAPHTHENE
3900	2-CHLOROPHENOL	3900	2,4-DINITROPHENOL
3900	1,3-DICHLOROBENZENE	3900	4-NITROPHENOL
3900	1,4-DICHLOROBENZENE	3900	DIBENZOFURAN
3900	1,2-DICHLOROBENZENE	3900	2,4-DINITROTOLUENE
3900	2-METHYLPHENOL	3900	DIETHYL PHTHALATE
3900	2,2'-CHLORISOPROPYLETHAR	3900	4-CHLOROPHENYL PHENYL ETHER
3900	(3-AND/OR 4-)METHYLPHENOL	3900	FLUORENE
3900	N-NITROSODI-N-PROPYLAMINE	3900	4-NITROANILINE
3900	HEXACHLOROETHANE	3900	2-METHYL-4,6-DINITROPHENOL
3900	NITROBENZENE	3900	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
3900	ISOPHORONE	3900	4-BROMOPHENYL PHENYL ETHER
3900	2-NITROPHENOL	3900	HEXACHLOROBENZENE (HCB)
3900	BIS(2-CHLOROETHOXY) METHANE	3900	PENTACHLOROPHENOL
3900	2,4-DIMETHYLPHENOL	3900	PHENANTHRENE
3900	1,2,4-TRICHLOROBENZENE	3900	ANTHRACENE
3900	NAPHTHALENE	3900	CARBAZOLE
3900	4-CHLOROANILINE	3900	DI-N-BUTYL PHTHALATE
3900	HEXACHLOROBUTADIENE	3900	FLUORANTHENE
3900	4-CHLORO-3-METHYLPHENOL	3900	PYRENE
3900	2-METHYLNAPHTHALENE	3900	BENZYL BUTYL PHTHALATE
3900	HEXACHLOROCYCLOPENTADIENE (HCCP)	3900	3,3'-DICHLOROBENZIDINE
3900	2,4,6-TRICHLOROPHENOL	3900	BENZO(A)ANTHRACENE
3900	2,4,5-TRICHLOROPHENOL	3900	CHRYSENE
3900	2-CHLORONAPHTHALENE	3900	BIS(2-ETHYLHEXYL) PHTHALATE
3900	2-NITROANILINE	3900	DI-N-OCTYLPHTHALATE
3900	DIMETHYL PHTHALATE	3900	BENZO(B AND/OR K)FLUORANTHENE
3900	ACENAPHTHYLENE	3900	BENZO-A-PYRENE
3900	2,6-DINITROTOLUENE	3900	INDENO (1,2,3-CD) PYRENE
		3900	DIBENZO(A,H)ANTHRACENE
		3900	BENZO(GH)PERYLENE
		3900	PERCENT MOISTURE
		16	

\*\*\*REMARKS\*\*\*

\*\*\*REMARKS\*\*\*

\*\*\*FOOTNOTES\*\*\*

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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

02/17/94

MISCELLANEOUS EXTRACTABLE COMPOUNDS - DATA REPORT

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*** **
** PROJECT NO. 94-0234 SAMPLE NO. 82103 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: FM CARNES **
** SOURCE: SUMTER INERT SITE CITY: SUMTER ST: SC **
** STATION ID: SB-02 COLLECTION START: 01/12/94 1150 STOP: 00/00/00 **
** CASE NO.: 21510 SAS NO.: D. NO.: GJ54 MD NO: GJ54 **
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ANALYTICAL RESULTS UG/KG

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600JN 1-METHYLNAPHTHALENE
700JN DIMETHYLNAPHTHALENE
500JN DIHYDROFLUORENE
800JN METHYLDIBENZOFURAN
500JN METHYLFLUORENE
700JN FLUORENONE
700JN DIBENZOTHIOPHENE
2000JN METHYLANTHRACENE (2 ISOMERS)
2000JN CYCLOBUTAPHENANTHRENE
600JN PHENYLNAPHTHALENE
600JN ANTHRACENEDIONE
500JN CYCLOPENTAPHENANTHRENONE
10000JN BENZOFLUORENE (3 ISOMERS)
4000JN BENZANTHRACENONE ( 2 ISOMERS)
3000JN BENZONAPHTHOTHIOPHENE
2000JN BENZOPYRENE (NOT A)
4000J 2 UNIDENTIFIED COMPOUNDS

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\*\*\*FOOTNOTES\*\*\*

\*A-AVERAGE VALUE \*NA-NOT ANALYZED \*NAI-INTERFERENCES \*J-ESTIMATED VALUE \*N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL  
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

02/17/94

MISCELLANEOUS EXTRACTABLE COMPOUNDS - DATA REPORT

\*\*\* \*\*  
\*\* PROJECT NO. 94-0234 SAMPLE NO. 82104 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: FM CARNES \*\*  
\*\* SOURCE: SUMTER INERT SITE CITY: SUMTER ST: SC \*\*  
\*\* STATION ID: SB-03 COLLECTION START: 01/12/94 1040 STOP: 00/00/00 \*\*  
\*\* CASE NO.: 21510 SAS NO.: D. NO.: GJ55 MD NO: GJ55 \*\*  
\*\*

ANALYTICAL RESULTS UG/FG

3000J 7 UNIDENTIFIED COMPOUNDS

\*\*\*FOOTNOTES\*\*\*

\*A-AVERAGE VALUE \*NA-NOT ANALYZED \*NAI-INTERFERENCES \*J-ESTIMATED VALUE \*N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL  
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

02/17/94

MISCELLANEOUS EXTRACTABLE COMPOUNDS - DATA REPORT

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*** ** ** ** **
** PROJECT NO. 94-0234 SAMPLE NO. 82105 SAMPLE TYPE: SOIL   PROG ELEM: NSF   COLLECTED BY: FM CARNS   **
** SOURCE: SUMTER INERT SITE                                CITY: SUMTER   ST: SC   **
** STATION ID: SB-04                                       COLLECTION START: 01/12/94 1225 STOP: 00/00/00   **
** CASE NO.: 21510 SAS NO.:                                D. NO.: GJ56   MD NO: GJ56   **
** ** ** **
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ANALYTICAL RESULTS UG/FG

1000J 3 UNIDENTIFIED COMPOUNDS

\*\*\*FOOTNOTES\*\*\*

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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

02/17/94

MISCELLANEOUS EXTRACTABLE COMPOUNDS - DATA REPORT

\*\*\* \*\*  
\*\* PROJECT NO. 94-0234 SAMPLE NO. 82106 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: FM CARNES \*\*  
\*\* SOURCE: SUMTER INERT SITE CITY: SUMTER ST: SC \*\*  
\*\* STATION ID: SD-05 COLLECTION START: 01/12/94 1030 STOP: 00/00/00 \*\*  
\*\* CASE NO.: 21510 SAS NO.: D. NO.: GJ57 MD NO: GJ57 \*\*  
\*\*\* \*\*

ANALYTICAL RESULTS UG/KG

20000J 12 UNIDENTIFIED COMPOUNDS  
800JN HEXADECANOIC ACID

\*\*\*FOOTNOTES\*\*\*

\*A-AVERAGE VALUE \*NA-NOT ANALYZED \*NAI-INTERFERENCES \*J-ESTIMATED VALUE \*N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL  
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

02/17/94

MISCELLANEOUS EXTRACTABLE COMPOUNDS - DATA REPORT

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*** ** ** ** **
** PROJECT NO. 94-0234 SAMPLE NO. 82109 SAMPLE TYPE: SOIL   PROG ELEM: NSF   COLLECTED BY: FM CARNs   **
** SOURCE: SUMTER INERT SITE                                CITY: SUMTER                                ST: SC   **
** STATION ID: SD-08                                         COLLECTION START: 01/12/94 1215 STOP: 00/00/00   **
** CASE NO.: 21510 SAS NO.:                                  D. NO.: GJ60 MD NO: GJ60   **
** ** ** **
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ANALYTICAL RESULTS UG/FG

3000J 6 UNIDENTIFIED COMPOUNDS

\*\*\*FOOTNOTES\*\*\*

\*A-AVERAGE VALUE \*NA-NOT ANALYZED \*NAI-INTERFERENCES \*J-ESTIMATED VALUE \*N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL  
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

02/17/94

MISCELLANEOUS EXTRACTABLE COMPOUNDS - DATA REPORT

\*\*\* \*\*  
\*\* PROJECT NO. 94-0234 SAMPLE NO. 82110 SAMPLE TYPE: GROUNDWA PROG ELEM: NSF COLLECTED BY: FM CARNES \*\*  
\*\* SOURCE: SUMTER INERT SITE CITY: SUMTER ST: SC \*\*  
\*\* STATION ID: MW-09 COLLECTION START: 01/12/94 1055 STOP: 00/00/00 \*\*  
\*\* CASE NO.: 21510 SAS NO.: D. NO.: GJ61 MD NO: GJ61 \*\*  
\*\* \*\*

ANALYTICAL RESULTS UG/L

10J 1 UNIDENTIFIED COMPOUND

\*\*\*FOOTNOTES\*\*\*

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\*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN \*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN  
\*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTITATION LIMIT.  
\*R-QC INDICATES THAT DATA UNUSABLE. COMPOUND MAY OR MAY NOT BE PRESENT. RESAMPLING AND REANALYSIS IS NECESSARY FOR VERIFICATION.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

02/17/94

MISCELLANEOUS EXTRACTABLE COMPOUNDS - DATA REPORT

\*\*\* \* \* \* \*  
\*\* PROJECT NO. 94-0234 SAMPLE NO. 82111 SAMPLE TYPE: GROUNDWA PROG ELEM: NSF COLLECTED BY: FM CARNs \*\*  
\*\* SOURCE: SUMTER INERT SITE CITY: SUMTER ST: SC \*\*  
\*\* STATION ID: MW-12 COLLECTION START: 01/12/94 1215 STOP: 00/00/00 \*\*  
\*\* CASE NO.: 21510 SAS NO.: D. NO.: GJ62 MD NO: GJ62 \*\*  
\*\* \* \* \* \* \*

ANALYTICAL RESULTS UG/L

30J 1 UNIDENTIFIED COMPOUND

\*\*\*FOOTNOTES\*\*\*

\*A-AVERAGE VALUE \*NA-NOT ANALYZED \*NAI-INTERFERENCES \*J-ESTIMATED VALUE \*N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL  
\*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN \*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN  
\*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTITATION LIMIT.  
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

02/17/94

MISCELLANEOUS EXTRACTABLE COMPOUNDS - DATA REPORT

\*\*\* \*\*  
\*\* PROJECT NO. 94-0234 SAMPLE NO. 82112 SAMPLE TYPE: GROUNDWA PROG ELEM: NSF COLLECTED BY: FM CARNs \*\*  
\*\* SOURCE: SUMTER INERT SITE CITY: SUMTER ST: SC \*\*  
\*\* STATION ID: MW-10 COLLECTION START: 01/12/94 1310 STOP: 00/00/00 \*\*  
\*\* CASE NO.: 21510 SAS NO.: D. NO.: GJ63 MD NO: GJ63 \*\*  
\*\*

ANALYTICAL RESULTS UG/L

10JN BUTYLBENZENESULFONAMIDE  
3JN DICHLOROPROPANOL, PHOSPHATE

\*\*\*FOOTNOTES\*\*\*

\*A-AVERAGE VALUE \*NA-NOT ANALYZED \*NAI-INTERFERENCES \*J-ESTIMATED VALUE \*N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL  
\*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN \*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN  
\*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTITATION LIMIT.  
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

02/17/94

MISCELLANEOUS EXTRACTABLE COMPOUNDS - DATA REPORT

\*\*\* \*\*  
\*\* PROJECT NO. 94-0234 SAMPLE NO. 82113 SAMPLE TYPE: GROUNDWA PROG ELEM: NSF COLLECTED BY: FM CARNES \*\*  
\*\* SOURCE: SUMTER INERT SITE CITY: SUMTER ST: SC \*\*  
\*\* STATION ID: MW-11 COLLECTION START: 01/12/94 1420 STOP: 00/00/00 \*\*  
\*\* CASE NO.: 21510 SAS NO.: D. NO.: GJ64 MD NO: GJ64 \*\*  
\*\*\* \*\*

ANALYTICAL RESULTS UG/L

40J 4 UNIDENTIFIED COMPOUNDS  
6JN BENZOTHAZOLONE

\*\*\*FOOTNOTES\*\*\*

\*A-AVERAGE VALUE \*NA-NOT ANALYZED \*NAI-INTERFERENCES \*J-ESTIMATED VALUE \*N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL  
\*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN \*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN  
\*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTITATION LIMIT.  
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

02/17/94

MISCELLANEOUS EXTRACTABLE COMPOUNDS - DATA REPORT

\*\*\* \*\*  
\*\* PROJECT NO. 94-0234 SAMPLE NO. 82114 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: FM CARNs \*\*  
\*\* SOURCE: SUMTER INERT SITE CITY: SUMTER ST: SC \*\*  
\*\* STATION ID: SB-13 COLLECTION START: 01/12/94 1010 STOP: 00/00/00 \*\*  
\*\* CASE NO.: 21510 SAS NO.: D. NO.: GJ65 MD NO: GJ65 \*\*  
\*\*

ANALYTICAL RESULTS UG/KG

90JN HEXADECANOIC ACID  
100JN TOCOPHEROL

\*\*\*FOOTNOTES\*\*\*

\*A-AVERAGE VALUE \*NA-NOT ANALYZED \*NAI-INTERFERENCES \*J-ESTIMATED VALUE \*N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL  
\*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN \*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN  
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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region IV  
Environmental Services Division  
College Station Road, Athens, Ga. 30613

\*\*\*\*\*MEMORANDUM\*\*\*\*\*

DATE: 02/18/94

SUBJECT: Results of Purgeable Organic Analysis;  
94-0234 SUMTER INERT SITE  
SUMTER SC  
CASE NO: 21510

FROM: Charles H. Hooper *CH Hooper*  
Chief, Laboratory Evaluation/Quality Assurance Section

TO: HAROLD SEABROOK

Attached are the results of analysis of samples collected as part of the subject project.

As a result of the Quality Assurance Review, certain data qualifiers may have been placed on the data. Attached is a DATA QUALIFIER REPORT which explains the reasons that these qualifiers were required.

If you have any questions please contact me.

ATTACHMENT

RECEIVED  
FEB 24 1994  
S.C. Dept. of Health & Environmental  
Control-Bureau of Solid & Hazardous  
Waste Management

# ORGANIC DATA QUALIFIER REPORT

Case Number 21510      Project Number 94-0234      SAS Number  
 Site ID. Sumter Inert Site, Sumter, SC

<u>Affected Sample</u>	<u>Compound or Fraction</u>	<u>Flag</u>	<u>UsedReason</u>
<u>Volatiles</u>			
82102	acetone	N	common lab contaminant
82103	all volatiles	J	low internal standards
82106	4-methyl-2-pentanone	J	low internal standard
	2-hexanone, xylenes	J	low internal standard
	tetrachloroethene	J	low internal standard
	1,1,2,2-tetrachloroethane	J	low internal standard
	toluene, styrene	J	low internal standard
	chlorobenzene	J	low internal standard
	ethylbenzene	J	low internal standard
82105, 82108, 82113	acetone	N	common lab contaminant
82113	carbon disulfide	J	<quantitation limit
82495	trichloroethene	J	<quantitation limit
<u>Extractables</u>			
82103	4-methylphenol	J	<quantitation limit
	acenaphthylene	J	<quantitation limit
	acenaphthene	J	<quantitation limit, dilution
	fluorene	J	<quantitation limit, dilution
	4,6-dinitro-2-methylphenol	J	low internal standard
	N-nitrosodiphenylamine	J	low internal standard
	4-bromophenylphenylether	J	low internal standard
	hexachlorobenzene	J	low internal standard
	pentachlorophenol	J	low internal standard
	anthracene	J	<quantitation limit, dilution
	carbazole	J	<quantitation limit, dilution
	di-n-butylphthalate	J	low internal standard
	butylbenzylphthalate	J	low internal standard
	3,3'-dichlorobenzidine	J	low internal standard
	bis(2-ethylhexyl)phthalate	J	low internal standard
	di-n-octylphthalate	J	low internal standard
	indeno(1,2,3-cd)pyrene	J	<quantitation limit, dilution
	dibenz(a,h)anthracene	J	low internal standard
	benzo(g,h,i)perylene	J	low internal standard
82104	fluoranthene	J	<quantitation limit
	pyrene	J	<quantitation limit
	chrysene	J	<quantitation limit
82104, 82106	di-n-octylphthalate	J	low internal standard
	benzo(b/k)fluoranthene	J	low internal standard
	benzo(a)pyrene	J	low internal standard
	indeno(1,2,3-cd)pyrene	J	low internal standard
	dibenz(a,h)anthracene	J	low internal standard
	benzo(g,h,i)perylene	J	low internal standard
82106, 82109	fluoranthene	J	<quantitation limit
	pyrene	J	<quantitation limit
82113	naphthalene	J	<quantitation limit
	fluoranthene	J	<quantitation limit
	pyrene	J	<quantitation limit

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

02/17/94

PURGEABLE ORGANICS DATA REPORT

\*\*\* \*\*  
\*\* PROJECT NO. 94-0234 SAMPLE NO. 82102 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: FM CARNS \*\*  
\*\* SOURCE: SUMTER INERT SITE CITY: SUMTER ST: SC \*\*  
\*\* STATION ID: SB-01 COLLECTION START: 01/12/94 1010 STOP: 00/00/00 \*\*  
\*\*  
\*\* CASE NO.: 21510 SAS NO.: D. NO.: GJ53 \*\*  
\*\*\* \*\*

UG/KG ANALYTICAL RESULTS

12U CHLOROMETHANE  
12U BROMOMETHANE  
12U VINYL CHLORIDE  
12U CHLOROETHANE  
12U METHYLENE CHLORIDE  
14N ACETONE  
12U CARBON DISULFIDE  
12U 1,1-DICHLOROETHENE(1,1-DICHLOROETHYLENE)  
12U 1,1-DICHLOROETHANE  
12U 1,2-DICHLOROETHENE (TOTAL)  
12U CHLOROFORM  
12U 1,2-DICHLOROETHANE  
12U METHYL ETHYL KETONE  
12U 1,1,1-TRICHLOROETHANE  
12U CARBON TETRACHLORIDE  
12U BROMODICHLOROMETHANE

UG/KG ANALYTICAL RESULTS

12U 1,2-DICHLOROPROPANE  
12U CIS-1,3-DICHLOROPROPENE  
12U TRICHLOROETHENE(TRICHLOROETHYLENE)  
12U DIBROMOCHLOROMETHANE  
12U 1,1,2-TRICHLOROETHANE  
12U BENZENE  
12U TRANS-1,3-DICHLOROPROPENE  
12U BROMOFORM  
12U METHYL ISOBUTYL KETONE  
12U METHYL BUTYL KETONE  
12U TETRACHLOROETHENE(TETRACHLOROETHYLENE)  
12U 1,1,2,2-TETRACHLOROETHANE  
12U TOLUENE  
12U CHLOROBENZENE  
12U ETHYL BENZENE  
12U STYRENE  
12U TOTAL XYLENES  
16 PERCENT MOISTURE

\*\*\*REMARKS\*\*\*

\*\*\*REMARKS\*\*\*

\*\*\*FOOTNOTES\*\*\*

\*A-AVERAGE VALUE \*NA-NOT ANALYZED \*NAI-INTERFERENCES \*J-ESTIMATED VALUE \*N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL  
\*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN \*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN  
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

02/17/94

PURGEABLE ORGANICS DATA REPORT

\*\*\* \*\*  
\*\* PROJECT NO. 94-0234 SAMPLE NO. 82103 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: FM CARNS \*\*  
\*\* SOURCE: SUMTER INERT SITE CITY: SUMTER ST: SC \*\*  
\*\* STATION ID: SB-02 COLLECTION START: 01/12/94 1150 STOP: 00/00/00 \*\*  
\*\*  
\*\* CASE NO.: 21510 SAS NO.: D. NO.: GJ54 \*\*  
\*\*\* \*\*

UG/KG ANALYTICAL RESULTS

13UJ	CHLOROMETHANE
13UJ	BROMOMETHANE
13UJ	VINYL CHLORIDE
13UJ	CHLOROETHANE
13UJ	METHYLENE CHLORIDE
13UJ	ACETONE
13UJ	CARBON DISULFIDE
13UJ	1,1-DICHLOROETHENE(1,1-DICHLOROETHYLENE)
13UJ	1,1-DICHLOROETHANE
13UJ	1,2-DICHLOROETHENE (TOTAL)
13UJ	CHLOROFORM
13UJ	1,2-DICHLOROETHANE
13UJ	METHYL ETHYL KETONE
13UJ	1,1,1-TRICHLOROETHANE
13UJ	CARBON TETRACHLORIDE
13UJ	BROMODICHLOROMETHANE

UG/KG ANALYTICAL RESULTS

13UJ	1,2-DICHLOROPROPANE
13UJ	CIS-1,3-DICHLOROPROPENE
13UJ	TRICHLOROETHENE(TRICHLOROETHYLENE)
13UJ	DIBROMOCHLOROMETHANE
13UJ	1,1,2-TRICHLOROETHANE
13UJ	BENZENE
13UJ	TRANS-1,3-DICHLOROPROPENE
13UJ	BROMOFORM
13UJ	METHYL ISOBUTYL KETONE
13UJ	METHYL BUTYL KETONE
13UJ	TETRACHLOROETHENE(TETRACHLOROETHYLENE)
13UJ	1,1,2,2-TETRACHLOROETHANE
2J	TOLUENE
13UJ	CHLOROBENZENE
13UJ	ETHYL BENZENE
13UJ	STYRENE
13UJ	TOTAL XYLENES
23	PERCENT MOISTURE

\*\*\*REMARKS\*\*\*

\*\*\*REMARKS\*\*\*

\*\*\*FOOTNOTES\*\*\*

\*A-AVERAGE VALUE \*NA-NOT ANALYZED \*NAI-INTERFERENCES \*J-ESTIMATED VALUE \*N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL  
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

02/17/94

PURGEABLE ORGANICS DATA REPORT

\*\*\* \*\*  
\*\* PROJECT NO. 94-0234 SAMPLE NO. 82104 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: FM CARNs \*\*  
\*\* SOURCE: SUMTER INERT SITE CITY: SUMTER ST: SC \*\*  
\*\* STATION ID: SB-03 COLLECTION START: 01/12/94 1040 STOP: 00/00/00 \*\*

\*\* CASE NO.: 21510 SAS NO.: D. NO.: GJ55 \*\*

UG/KG ANALYTICAL RESULTS

11U CHLOROMETHANE  
11U BROMOMETHANE  
11U VINYL CHLORIDE  
11U CHLOROETHANE  
11U METHYLENE CHLORIDE  
57 ACETONE  
11U CARBON DISULFIDE  
11U 1,1-DICHLOROETHENE (1,1-DICHLOROETHYLENE)  
11U 1,1-DICHLOROETHANE  
11U 1,2-DICHLOROETHENE (TOTAL)  
11U CHLOROFORM  
11U 1,2-DICHLOROETHANE  
11U METHYL ETHYL KETONE  
11U 1,1,1-TRICHLOROETHANE  
11U CARBON TETRACHLORIDE  
11U BROMODICHLOROMETHANE

UG/KG ANALYTICAL RESULTS

11U 1,2-DICHLOROPROPANE  
11U CIS-1,3-DICHLOROPROPENE  
11U TRICHLOROETHENE (TRICHLOROETHYLENE)  
11U DIBROMOCHLOROMETHANE  
11U 1,1,2-TRICHLOROETHANE  
11U BENZENE  
11U TRANS-1,3-DICHLOROPROPENE  
11U BROMOFORM  
11U METHYL ISOBUTYL KETONE  
11U METHYL BUTYL KETONE  
11U TETRACHLOROETHENE (TETRACHLOROETHYLENE)  
11U 1,1,2,2-TETRACHLOROETHANE  
11U TOLUENE  
11U CHLOROBENZENE  
11U ETHYL BENZENE  
11U STYRENE  
11U TOTAL XYLENES  
11 PERCENT MOISTURE

\*\*\*REMARKS\*\*\*

\*\*\*REMARKS\*\*\*

\*\*\*FOOTNOTES\*\*\*

\*A-AVERAGE VALUE \*NA-NOT ANALYZED \*NAI-INTERFERENCES \*J-ESTIMATED VALUE \*N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL  
\*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN \*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN  
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

02/17/94

PURGEABLE ORGANICS DATA REPORT

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*** **
** PROJECT NO. 94-0234 SAMPLE NO. 82105 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: FM CARNIS **
** SOURCE: SUMTER INERT SITE CITY: SUMTER ST: SC **
** STATION ID: SB-04 COLLECTION START: 01/12/94 1225 STOP: 00/00/00 **
**
** CASE NO.: 21510 SAS NO.: D. NO.: GJ56 **
*** **
  
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UG/KG ANALYTICAL RESULTS
12U CHLOROMETHANE
12U BROMOMETHANE
12U VINYL CHLORIDE
12U CHLOROETHANE
12U METHYLENE CHLORIDE
53N ACETONE
12U CARBON DISULFIDE
12U 1,1-DICHLOROETHENE (1,1-DICHLOROETHYLENE)
12U 1,1-DICHLOROETHANE
12U 1,2-DICHLOROETHENE (TOTAL)
12U CHLOROFORM
12U 1,2-DICHLOROETHANE
12U METHYL ETHYL KETONE
12U 1,1,1-TRICHLOROETHANE
12U CARBON TETRACHLORIDE
12U BROMODICHLOROMETHANE
  
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UG/KG ANALYTICAL RESULTS
12U 1,2-DICHLOROPROPANE
12U CIS-1,3-DICHLOROPROPENE
12U TRICHLOROETHENE (TRICHLOROETHYLENE)
12U DIBROMOCHLOROMETHANE
12U 1,1,2-TRICHLOROETHANE
12U BENZENE
12U TRANS-1,3-DICHLOROPROPENE
12U BROMOFORM
12U METHYL ISOBUTYL KETONE
12U METHYL BUTYL KETONE
12U TETRACHLOROETHENE (TETRACHLOROETHYLENE)
12U 1,1,2,2-TETRACHLOROETHANE
12U TOLUENE
12U CHLOROBENZENE
12U ETHYL BENZENE
12U STYRENE
12U TOTAL XYLENES
16 PERCENT MOISTURE
  
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\*\*\*REMARKS\*\*\*

\*\*\*REMARKS\*\*\*

\*\*\*FOOTNOTES\*\*\*

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*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN *L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTITATION LIMIT.
*R-QC INDICATES THAT DATA UNUSABLE. COMPOUND MAY OR MAY NOT BE PRESENT. RESAMPLING AND REANALYSIS IS NECESSARY FOR VERIFICATION.
  
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

02/17/94

PURGEABLE ORGANICS DATA REPORT

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*** **
** PROJECT NO. 94-0234 SAMPLE NO. 82106 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: FM CARNs **
** SOURCE: SUMTER INERT SITE CITY: SUMTER ST: SC **
** STATION ID: SD-05 COLLECTION START: 01/12/94 1030 STOP: 00/00/00 **
** **
** CASE NO.: 21510 SAS NO.: D. NO.: GJ57 **
*** **

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UG/KG ANALYTICAL RESULTS

23U	CHLOROMETHANE
23U	BROMOMETHANE
23U	VINYL CHLORIDE
23U	CHLOROETHANE
23U	METHYLENE CHLORIDE
23U	ACETONE
23U	CARBON DISULFIDE
23U	1,1-DICHLOROETHENE (1,1-DICHLOROETHYLENE)
23U	1,1-DICHLOROETHANE
23U	1,2-DICHLOROETHENE (TOTAL)
23U	CHLOROFORM
23U	1,2-DICHLOROETHANE
23U	METHYL ETHYL KETONE
23U	1,1,1-TRICHLOROETHANE
23U	CARBON TETRACHLORIDE
23U	BROMODICHLOROMETHANE

UG/KG ANALYTICAL RESULTS

23U	1,2-DICHLOROPROPANE
23U	CIS-1,3-DICHLOROPROPENE
23U	TRICHLOROETHENE (TRICHLOROETHYLENE)
23U	DIBROMOCHLOROMETHANE
23U	1,1,2-TRICHLOROETHANE
23U	BENZENE
23U	TRANS-1,3-DICHLOROPROPENE
23U	BROMOFORM
23UJ	METHYL ISOBUTYL KETONE
23UJ	METHYL BUTYL KETONE
23UJ	TETRACHLOROETHENE (TETRACHLOROETHYLENE)
23UJ	1,1,2,2-TETRACHLOROETHANE
23UJ	TOLUENE
23UJ	CHLOROBENZENE
23UJ	ETHYL BENZENE
23UJ	STYRENE
23UJ	TOTAL XYLENES
56	PERCENT MOISTURE

\*\*\*REMARKS\*\*\*

\*\*\*REMARKS\*\*\*

\*\*\*FOOTNOTES\*\*\*

\*A-AVERAGE VALUE \*NA-NOT ANALYZED \*NAI-INTERFERENCES \*J-ESTIMATED VALUE \*N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL  
 \*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN \*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN  
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

02/17/94

PURGEABLE ORGANICS DATA REPORT

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*** ** ** ** **
** PROJECT NO. 94-0234  SAMPLE NO. 82107  SAMPLE TYPE: SURFACEWA  PROG ELEM: NSF  COLLECTED BY: FM CARNS  **
** SOURCE: SUMTER INERT SITE  CITY: SUMTER  ST: SC  **
** STATION ID: SW-05  COLLECTION START: 01/12/94  1015  STOP: 00/00/00  **
**  **
** CASE NO.: 21510  SAS NO.:  D. NO.: GJ58  **
*** ** ** ** *
  
```

UG/L	ANALYTICAL RESULTS
10U	CHLOROMETHANE
10U	BROMOMETHANE
10U	VINYL CHLORIDE
10U	CHLOROETHANE
10U	METHYLENE CHLORIDE
10U	ACETONE
10U	CARBON DISULFIDE
10U	1,1-DICHLOROETHENE(1,1-DICHLOROETHYLENE)
10U	1,1-DICHLOROETHANE
10U	1,2-DICHLOROETHENE (TOTAL)
10U	CHLOROFORM
10U	1,2-DICHLOROETHANE
10U	METHYL ETHYL KETONE
10U	1,1,1-TRICHLOROETHANE
10U	CARBON TETRACHLORIDE
10U	BROMODICHLOROMETHANE

UG/L	ANALYTICAL RESULTS
10U	1,2-DICHLOROPROPANE
10U	CIS-1,3-DICHLOROPROPENE
10U	TRICHLOROETHENE(TRICHLOROETHYLENE)
10U	DIBROMOCHLOROMETHANE
10U	1,1,2-TRICHLOROETHANE
10U	BENZENE
10U	TRANS-1,3-DICHLOROPROPENE
10U	BROMOFORM
10U	METHYL ISOBUTYL KETONE
10U	METHYL BUTYL KETONE
10U	TETRACHLOROETHENE(TETRACHLOROETHYLENE)
10U	1,1,2,2-TETRACHLOROETHANE
10U	TOLUENE
10U	CHLOROBENZENE
10U	ETHYL BENZENE
10U	STYRENE
10U	TOTAL XYLENES

\*\*\*REMARKS\*\*\*

\*\*\*REMARKS\*\*\*

\*\*\*FOOTNOTES\*\*\*

\*A-AVERAGE VALUE    \*NA-NOT ANALYZED    \*NAI-INTERFERENCES    \*J-ESTIMATED VALUE    \*N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL  
 \*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN    \*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN  
 \*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTITATION LIMIT.  
 \*R-QC INDICATES THAT DATA UNUSABLE. COMPOUND MAY OR MAY NOT BE PRESENT. RESAMPLING AND REANALYSIS IS NECESSARY FOR VERIFICATION

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

02/17/94

PURGEABLE ORGANICS DATA REPORT

\*\*\* \*\*  
\*\* PROJECT NO. 94-0234 SAMPLE NO. 82108 SAMPLE TYPE: SURFACEWA PROG ELEM: NSF COLLECTED BY: FM CARNS \*\*  
\*\* SOURCE: SUMTER INERT SITE CITY: SUMTER ST: SC \*\*  
\*\* STATION ID: SW-08 COLLECTION START: 01/12/94 1200 STOP: 00/00/00 \*\*  
\*\*  
\*\* CASE NO.: 21510 SAS NO.: D. NO.: GJ59 \*\*  
\*\*\* \*\*

UG/L ANALYTICAL RESULTS

10U CHLOROMETHANE  
10U BROMOMETHANE  
10U VINYL CHLORIDE  
10U CHLOROETHANE  
10U METHYLENE CHLORIDE  
22N ACETONE  
10U CARBON DISULFIDE  
10U 1,1-DICHLOROETHENE (1,1-DICHLOROETHYLENE)  
10U 1,1-DICHLOROETHANE  
10U 1,2-DICHLOROETHENE (TOTAL)  
10U CHLOROFORM  
10U 1,2-DICHLOROETHANE  
10U METHYL ETHYL KETONE  
10U 1,1,1-TRICHLOROETHANE  
10U CARBON TETRACHLORIDE  
10U BROMODICHLOROMETHANE

UG/L ANALYTICAL RESULTS

10U 1,2-DICHLOROPROPANE  
10U CIS-1,3-DICHLOROPROPENE  
10U TRICHLOROETHENE (TRICHLOROETHYLENE)  
10U DIBROMOCHLOROMETHANE  
10U 1,1,2-TRICHLOROETHANE  
10U BENZENE  
10U TRANS-1,3-DICHLOROPROPENE  
10U BROMOFORM  
10U METHYL ISOBUTYL KETONE  
10U METHYL BUTYL KETONE  
10U TETRACHLOROETHENE (TETRACHLOROETHYLENE)  
10U 1,1,2,2-TETRACHLOROETHANE  
10U TOLUENE  
10U CHLOROBENZENE  
10U ETHYL BENZENE  
10U STYRENE  
10U TOTAL XYLENES

\*\*\*REMARKS\*\*\*

\*\*\*REMARKS\*\*\*

\*\*\*FOOTNOTES\*\*\*

\*A-AVERAGE VALUE \*NA-NOT ANALYZED \*NAI-INTERFERENCES \*J-ESTIMATED VALUE \*N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL  
\*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN \*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN  
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

02/17/94

PURGEABLE ORGANICS DATA REPORT

\*\*\* \*\*  
\*\* PROJECT NO. 94-0234 SAMPLE NO. 82109 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: FM CARNS \*\*  
\*\* SOURCE: SUMTER INERT SITE CITY: SUMTER ST: SC \*\*  
\*\* STATION ID: SD-08 COLLECTION START: 01/12/94 1215 STOP: 00/00/00 \*\*  
\*\*

\*\* CASE NO.: 21510 SAS NO.: D. NO.: GJ60 \*\*  
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UG/KG ANALYTICAL RESULTS

13U CHLOROMETHANE  
13U BROMOMETHANE  
13U VINYL CHLORIDE  
13U CHLOROETHANE  
13U METHYLENE CHLORIDE  
13U ACETONE  
13U CARBON DISULFIDE  
13U 1,1-DICHLOROETHENE (1,1-DICHLOROETHYLENE)  
13U 1,1-DICHLOROETHANE  
13U 1,2-DICHLOROETHENE (TOTAL)  
13U CHLOROFORM  
13U 1,2-DICHLOROETHANE  
13U METHYL ETHYL KETONE  
13U 1,1,1-TRICHLOROETHANE  
13U CARBON TETRACHLORIDE  
13U BROMODICHLOROMETHANE

UG/KG ANALYTICAL RESULTS

13U 1,2-DICHLOROPROPANE  
13U CIS-1,3-DICHLOROPROPENE  
13U TRICHLOROETHENE (TRICHLOROETHYLENE)  
13U DIBROMOCHLOROMETHANE  
13U 1,1,2-TRICHLOROETHANE  
13U BENZENE  
13U TRANS-1,3-DICHLOROPROPENE  
13U BROMOFORM  
13U METHYL ISOBUTYL KETONE  
13U METHYL BUTYL KETONE  
13U TETRACHLOROETHENE (TETRACHLOROETHYLENE)  
13U 1,1,2,2-TETRACHLOROETHANE  
13U TOLUENE  
13U CHLOROBENZENE  
13U ETHYL BENZENE  
13U STYRENE  
13U TOTAL XYLENES  
24 PERCENT MOISTURE

\*\*\*REMARKS\*\*\*

\*\*\*REMARKS\*\*\*

\*\*\*FOOTNOTES\*\*\*

\*A-AVERAGE VALUE \*NA-NOT ANALYZED \*NAI-INTERFERENCES \*J-ESTIMATED VALUE \*N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL  
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

02/17/94

PURGEABLE ORGANICS DATA REPORT

\*\*\* \*\*  
\*\* PROJECT NO. 94-0234 SAMPLE NO. 82110 SAMPLE TYPE: GROUNDWA PROG ELEM: NSF COLLECTED BY: FM CARNS \*\*  
\*\* SOURCE: SUMTER INERT SITE CITY: SUMTER ST: SC \*\*  
\*\* STATION ID: MW-09 COLLECTION START: 01/12/94 1055 STOP: 00/00/00 \*\*  
\*\*

\*\* CASE NO.: 21510 SAS NO.: D. NO.: GJ61 \*\*  
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UG/L ANALYTICAL RESULTS

10U CHLOROMETHANE  
10U BROMOMETHANE  
10U VINYL CHLORIDE  
10U CHLOROETHANE  
10U METHYLENE CHLORIDE  
10U ACETONE  
10U CARBON DISULFIDE  
10U 1,1-DICHLOROETHENE (1,1-DICHLOROETHYLENE)  
10U 1,1-DICHLOROETHANE  
10U 1,2-DICHLOROETHENE (TOTAL)  
10U CHLOROFORM  
10U 1,2-DICHLOROETHANE  
10U METHYL ETHYL KETONE  
10U 1,1,1-TRICHLOROETHANE  
10U CARBON TETRACHLORIDE  
10U BROMODICHLOROMETHANE

UG/L ANALYTICAL RESULTS

10U 1,2-DICHLOROPROPANE  
10U CIS-1,3-DICHLOROPROPENE  
10U TRICHLOROETHENE (TRICHLOROETHYLENE)  
10U DIBROMOCHLOROMETHANE  
10U 1,1,2-TRICHLOROETHANE  
10U BENZENE  
10U TRANS-1,3-DICHLOROPROPENE  
10U BROMOFORM  
10U METHYL ISOBUTYL KETONE  
10U METHYL BUTYL KETONE  
10U TETRACHLOROETHENE (TETRACHLOROETHYLENE)  
10U 1,1,2,2-TETRACHLOROETHANE  
10U TOLUENE  
10U CHLOROBENZENE  
10U ETHYL BENZENE  
10U STYRENE  
10U TOTAL XYLENES

\*\*\*REMARKS\*\*\*

\*\*\*REMARKS\*\*\*

\*\*\*FOOTNOTES\*\*\*

\*A-AVERAGE VALUE \*NA-NOT ANALYZED \*NAI-INTERFERENCES \*J-ESTIMATED VALUE \*N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL  
\*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN \*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN  
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

02/17/94

PURGEABLE ORGANICS DATA REPORT

\*\*\* \*\*  
\*\* PROJECT NO. 94-0234 SAMPLE NO. 82111 SAMPLE TYPE: GROUNDWA PROG ELEM: NSF COLLECTED BY: FM CARNS \*\*  
\*\* SOURCE: SUMTER INERT SITE CITY: SUMTER ST: SC \*\*  
\*\* STATION ID: MW-12 COLLECTION START: 01/12/94 1215 STOP: 00/00/00 \*\*  
\*\*  
\*\* CASE NO.: 21510 SAS NO.: D. NO.: GJ62 \*\*  
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UG/L ANALYTICAL RESULTS

10U CHLOROMETHANE  
10U BROMOMETHANE  
10U VINYL CHLORIDE  
10U CHLOROETHANE  
10U METHYLENE CHLORIDE  
10U ACETONE  
10U CARBON DISULFIDE  
10U 1,1-DICHLOROETHENE (1,1-DICHLOROETHYLENE)  
10U 1,1-DICHLOROETHANE  
10U 1,2-DICHLOROETHENE (TOTAL)  
10U CHLOROFORM  
10U 1,2-DICHLOROETHANE  
10U METHYL ETHYL KETONE  
10U 1,1,1-TRICHLOROETHANE  
10U CARBON TETRACHLORIDE  
10U BROMODICHLOROMETHANE

UG/L ANALYTICAL RESULTS

10U 1,2-DICHLOROPROPANE  
10U CIS-1,3-DICHLOROPROPENE  
10U TRICHLOROETHENE (TRICHLOROETHYLENE)  
10U DIBROMOCHLOROMETHANE  
10U 1,1,2-TRICHLOROETHANE  
10U BENZENE  
10U TRANS-1,3-DICHLOROPROPENE  
10U BROMOFORM  
10U METHYL ISOBUTYL KETONE  
10U METHYL BUTYL KETONE  
10U TETRACHLOROETHENE (TETRACHLOROETHYLENE)  
10U 1,1,2,2-TETRACHLOROETHANE  
10U TOLUENE  
10U CHLOROBENZENE  
10U ETHYL BENZENE  
10U STYRENE  
10U TOTAL XYLENES

\*\*\*REMARKS\*\*\*

\*\*\*REMARKS\*\*\*

\*\*\*FOOTNOTES\*\*\*

\*A-AVERAGE VALUE \*NA-NOT ANALYZED \*NAI-INTERFERENCES \*J-ESTIMATED VALUE \*N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL  
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

02/17/94

PURGEABLE ORGANICS DATA REPORT

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\*\* PROJECT NO. 94-0234 SAMPLE NO. 82112 SAMPLE TYPE: GROUNDWA PROG ELEM: NSF COLLECTED BY: FM CARNS \*\*  
\*\* SOURCE: SUMTER INERT SITE CITY: SUMTER ST: SC \*\*  
\*\* STATION ID: MW-10 COLLECTION START: 01/12/94 1310 STOP: 00/00/00 \*\*  
\*\*  
\*\* CASE NO.: 21510 SAS NO.: D. NO.: GJ63 \*\*  
\*\*\* \*\*

UG/L ANALYTICAL RESULTS

10U CHLOROMETHANE  
10U BROMOMETHANE  
10U VINYL CHLORIDE  
10U CHLOROETHANE  
10U METHYLENE CHLORIDE  
10U ACETONE  
10U CARBON DISULFIDE  
10U 1,1-DICHLOROETHENE (1,1-DICHLOROETHYLENE)  
10U 1,1-DICHLOROETHANE  
10U 1,2-DICHLOROETHENE (TOTAL)  
10U CHLOROFORM  
10U 1,2-DICHLOROETHANE  
10U METHYL ETHYL KETONE  
10U 1,1,1-TRICHLOROETHANE  
10U CARBON TETRACHLORIDE  
10U BROMODICHLOROMETHANE

UG/L ANALYTICAL RESULTS

10U 1,2-DICHLOROPROPANE  
10U CIS-1,3-DICHLOROPROPENE  
10U TRICHLOROETHENE (TRICHLOROETHYLENE)  
10U DIBROMOCHLOROMETHANE  
10U 1,1,2-TRICHLOROETHANE  
10U BENZENE  
10U TRANS-1,3-DICHLOROPROPENE  
10U BROMOFORM  
10U METHYL ISOBUTYL KETONE  
10U METHYL BUTYL KETONE  
10U TETRACHLOROETHENE (TETRACHLOROETHYLENE)  
10U 1,1,2,2-TETRACHLOROETHANE  
10U TOLUENE  
10U CHLOROBENZENE  
10U ETHYL BENZENE  
10U STYRENE  
10U TOTAL XYLENES

\*\*\*REMARKS\*\*\*

\*\*\*REMARKS\*\*\*

\*\*\*FOOTNOTES\*\*\*

\*A-AVERAGE VALUE \*NA-NOT ANALYZED \*NAI-INTERFERENCES \*J-ESTIMATED VALUE \*N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL  
\*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN \*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN  
\*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTITATION LIMIT.  
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

02/17/94

PURGEABLE ORGANICS DATA REPORT

\*\*\* \*\*  
\*\* PROJECT NO. 94-0234 SAMPLE NO. 82113 SAMPLE TYPE: GROUNDWA PROG ELEM: NSF COLLECTED BY: FM CARNS \*\*  
\*\* SOURCE: SUMTER INERT SITE CITY: SUMTER ST: SC \*\*  
\*\* STATION ID: MW-11 COLLECTION START: 01/12/94 1420 STOP: 00/00/00 \*\*

\*\* CASE NO.: 21510 SAS NO.: D. NO.: GJ64 \*\*

\*\*\* \*\*  
UG/L ANALYTICAL RESULTS UG/L ANALYTICAL RESULTS \*\*\*

10U CHLOROMETHANE  
10U BROMOMETHANE  
10U VINYL CHLORIDE  
10U CHLOROETHANE  
10U METHYLENE CHLORIDE  
15N ACETONE  
3J CARBON DISULFIDE  
10U 1,1-DICHLOROETHENE(1,1-DICHLOROETHYLENE)  
10U 1,1-DICHLOROETHANE  
10U 1,2-DICHLOROETHENE (TOTAL)  
10U CHLOROFORM  
10U 1,2-DICHLOROETHANE  
10U METHYL ETHYL KETONE  
10U 1,1,1-TRICHLOROETHANE  
10U CARBON TETRACHLORIDE  
10U BROMODICHLOROMETHANE

10U 1,2-DICHLOROPROPANE  
10U CIS-1,3-DICHLOROPROPENE  
10U TRICHLOROETHENE(TRICHLOROETHYLENE)  
10U DIBROMOCHLOROMETHANE  
10U 1,1,2-TRICHLOROETHANE  
14 BENZENE  
10U TRANS-1,3-DICHLOROPROPENE  
10U BROMOFORM  
10U METHYL ISOBUTYL KETONE  
10U METHYL BUTYL KETONE  
10U TETRACHLOROETHENE(TETRACHLOROETHYLENE)  
10U 1,1,2,2-TETRACHLOROETHANE  
10U TOLUENE  
18 CHLOROBENZENE  
10U ETHYL BENZENE  
10U STYRENE  
10U TOTAL XYLENES

\*\*\*REMARKS\*\*\*

\*\*\*REMARKS\*\*\*

\*\*\*FOOTNOTES\*\*\*

\*A-AVERAGE VALUE \*NA-NOT ANALYZED \*NAI-INTERFERENCES \*J-ESTIMATED VALUE \*N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL  
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

02/17/94

PURGEABLE ORGANICS DATA REPORT

\*\*\* \*\*  
\*\* PROJECT NO. 94-0234 SAMPLE NO. 82114 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: FM CARNS \*\*  
\*\* SOURCE: SUMTER INERT SITE CITY: SUMTER ST: SC \*\*  
\*\* STATION ID: SB-13 COLLECTION START: 01/12/94 1010 STOP: 00/00/00 \*\*

\*\*\* \*\*  
\*\* CASE NO.: 21510 SAS NO.: D. NO.: GJ65 \*\*

UG/KG ANALYTICAL RESULTS

12U CHLOROMETHANE  
12U BROMOMETHANE  
12U VINYL CHLORIDE  
12U CHLOROETHANE  
12U METHYLENE CHLORIDE  
12U ACETONE  
12U CARBON DISULFIDE  
12U 1,1-DICHLOROETHENE (1,1-DICHLOROETHYLENE)  
12U 1,1-DICHLOROETHANE  
12U 1,2-DICHLOROETHENE (TOTAL)  
12U CHLOROFORM  
12U 1,2-DICHLOROETHANE  
12U METHYL ETHYL KETONE  
12U 1,1,1-TRICHLOROETHANE  
12U CARBON TETRACHLORIDE  
12U BROMODICHLOROMETHANE

UG/KG ANALYTICAL RESULTS

12U 1,2-DICHLOROPROPANE  
12U CIS-1,3-DICHLOROPROPENE  
12U TRICHLOROETHENE (TRICHLOROETHYLENE)  
12U DIBROMOCHLOROMETHANE  
12U 1,1,2-TRICHLOROETHANE  
12U BENZENE  
12U TRANS-1,3-DICHLOROPROPENE  
12U BROMOFORM  
12U METHYL ISOBUTYL KETONE  
12U METHYL BUTYL KETONE  
12U TETRACHLOROETHENE (TETRACHLOROETHYLENE)  
12U 1,1,2,2-TETRACHLOROETHANE  
12U TOLUENE  
12U CHLOROBENZENE  
12U ETHYL BENZENE  
12U STYRENE  
12U TOTAL XYLENES  
16 PERCENT MOISTURE

\*\*\*REMARKS\*\*\*

\*\*\*REMARKS\*\*\*

\*\*\*FOOTNOTES\*\*\*

\*A-AVERAGE VALUE \*NA-NOT ANALYZED \*NAI-INTERFERENCES \*J-ESTIMATED VALUE \*N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL  
\*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN \*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN  
\*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTITATION LIMIT.  
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# South Carolina Department of Health and Environmental Control

Ref. 9

2600 Bull Street  
Columbia, S.C. 29201

Commissioner  
Michael D. Jarrett



Mo  
Oren L. Brady, Jr., Vice-Chairman  
Euta M. Colvin, M.D., Secretary  
Harry M. Hallman, Jr.  
Henry S. Jordan, M.D.  
James A. Spruill, Jr.  
Foney Graham, Jr. M.D.

## MEMORANDUM

TO: John Cresswell, Manager  
Site Screening Section  
Bureau of Solid and Hazardous Waste Management

FROM: Judy Canova, Hydrologist *JCC*  
Superfund and Solid Waste Section  
Bureau of Solid and Hazardous Waste Management

DATE: November 10, 1987

RE: Sumter Inert Landfill  
CERCLA Site SCD 981 474 729  
Sumter County

To appropriately evaluate Sumter Inert Landfill as a potential Superfund site based on the ground water route of the Hazardous Ranking System, the hydrogeology of the site and surrounding area has been assessed. This assessment was accomplished via records and publication searches in addition to an on-site inspection.

Sumter County Inert Landfill is located in the northern part of the Lower Coastal Plain physiographic region which is characterized by a sequence of marine and alluvial sediments resting on crystalline basement rock. Locally, sediments are approximately 800 feet thick (Park, 1980) and contain several aquifers.

Information on Sumter County is taken primarily from Park (1980). The deepest and principal aquifer, the Middendorf, is locally 300 to 400 feet thick. It consists of light colored, feldspathic, micaceous sands interbedded with clays. Most high yield wells in the area are screened in this aquifer including several wells owned by the city of Sumter. The Middendorf is separated from the overlying Black Creek Formation by multicolored clays.

The Black Creek is also used locally by the city of Sumter for water supply. It contains 400 to 500 feet of fossiliferous, fine-to-medium-grain light sands, and dark colored clays. Based on geophysical logs from six wells within the three mile site radius, a section of clay fifty to one-hundred feet thick rests on top or near the top of the Black Creek Formation in the Sumter area. Work done at Campbell's soup, about ten miles south of Sumter Inert, indicates the presence of this clay layer at that location also. The HRS user's manual states that two aquifers may be considered as a single hydrologic unit provided that site specific literature proves a discontinuity or absence in confining layers, or that well logs indicate discontinuity of a confining layer within the three mile radius of the site, or that contamination is discovered in the deeper aquifer within the three mile site radius. Based on HRS definition, the aquifers may be considered as not a single hydrologic unit.

Locally, the shallow aquifer is a mixture of Black Mingo, Duplin, and undifferentiated Pliocene, Pleistocene, and Recent alluvial deposits. It is 50 to 100 feet thick. Domestic wells in most of Sumter county are in this aquifer as are several unused municipal water wells (Park, 1980). Park states that the shallow wells owned by the city of Sumter are screened in the Duplin Formation or alluvial deposits. According to Colquhoun, et al., (1983), the Sumter area is a recharge area for the Black Mingo Formation.

On September 30, 1987, I participated in the CERCLA site inspection of the referenced site. A trench around the perimeter of the landfill revealed 2 to 3 feet of fine-grained, medium orange clayey sand with approximately 30% clay. Sediments of this type generally have a hydraulic conductivity of  $10^{-3}$  to  $10^{-5}$  (Freeze and Cherry, 1979).

The site was previously examined by Raymond Knox, SCDHEC geologist, in July, 1981. Based on auger borings, he estimated a seasonal high water table at 3 feet (memo, July 6, 1981). Depth to aquifer of concern is also 3 feet. Due to the shallow nature of the aquifer, it locally discharges into surrounding swamps and streams while it is recharged by precipitation. Based on topography, groundwater probably flows to the west southwest towards the Green Swamp and Pocataligo River. Groundwater in the western part of the area probably flows east to the Green Swamp and south to Savannah Creek.

Potential yield of wells in the shallow aquifer ranges from 144,000 to 645,000 gallons per day (Park, 1980). According to US Geological Survey and South Carolina Water Resources Commission Well Tabulations, shallow aquifer groundwater is used for domestic, irrigation, industrial, and public water supply within the three mile radius of the site.

Most of the wells in the three mile radius of the site are separated from the site by swamps. The HRS manual states that a discontinuity such as a fault or a body of water must entirely transect the aquifer in order for it to be considered valid. Therefore, the shallow, limited nature of the swamps and the thickness of the shallow aquifer precludes the swamp from being a discontinuity.

The private well nearest to the site is approximately 0.38 miles to the west of the site. (Figure 1). There is one 700 feet deep well owned by the city of Sumter (23 p-W1, SUM-0065) 1.7 miles northwest of the site that has screens in the shallow aquifer and two screens in deeper aquifers (SC WRC and USGS Well Tabulations) (Figure 1).

### References Cited

Colquhoun, D.J., et al., 1983 Surface and Subsurface Stratigraphy, Structure, and Aquifers of the South Carolina Coastal Plain: University of South Carolina, Dept. of Geology, 78 p.

Freeze, R.A., and Cherry, J.A., 1979, Groundwater: Prentice Hall, New Jersey, 604 p.

Knox, R.L., Geologist, SCDHEC, 1981, Memo to Capers Dixon, July 6, regarding Sumter County Inert Landfill.

Park, A.D., 1980, The ground-water resources of Sumter and Florence Counties, South Carolina: SC Water Resources Commission Report #133, 43 p.

Uncontrolled Hazardous Waste Site Ranking System, A Users Manual; "Federal Register", Vol. 47, no. 137, July 16, 1982 or 40 CFR Part 300, Appendix A.





Figure 1: Location map of Sumter Inert Landfill.

S. C. Department of Health and Environmental Control  
Bureau of Drinking Water Protection  
PUBLIC WATER SYSTEM INVENTORY CODE TABLES

Ref. 12

.....  
AVAILABILITY CODE  
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P - Permanent  
E - Emergency  
S - Seasonal  
I - Interim, Temporary  
O - Other  
A - Abandoned

CASING TYPE  
-----

P - PVC  
G - Galvanized  
S - Steel  
O - Other

INACT CODE  
-----

D - Deleted  
M - Merged  
R - Re-entered

OWNER TYPE  
-----

1 - Federal Government  
2 - Private ( Subdivisions, Investors, Trusts, Co-  
operatives, Water Associations, etc.)  
3 - State Government  
4 - Local Government (Authorities, Commissions, Dis-  
tricts, Municipalities, Cities, Counties, etc.)  
5 - Mixed Public/Private

PLANT TYPE  
-----

A - Surface Water Plant  
B - Ground Water Plant  
C - Combination of Surface and Ground Water  
D - Purchased Source with Added Treatment

PUMP TYPE  
-----

S - Submersible  
J - Jet  
T - Turbine  
R - Reciprocating  
C - Centrifugal

SERVICE AREA CODE  
-----

01 - Interstate Carrier  
02 - Wholesaler (Sells Water)  
09 - Other Area  
R1 - Residential Area  
R2 - Mobile Home Park  
R9 - Other Residential Area  
S1 - Institution  
S3 - Medical Facility  
S4 - Industrial/Agricultural  
S5 - Daycare Center  
S9 - Other Semi-residential Area  
T1 - Recreation Area  
T2 - Service Station  
T3 - Summer Camp  
T4 - Restaurant  
T5 - Highway Rest Area  
T6 - Hotel/Motel  
T9 - Other Transient Area

SOURCE CODE  
-----

S - Non-Purchased Surface Water Source  
P - Purchased Surface Water Source  
G - Non-Purchased Ground Water Source  
W - Purchased Ground Water Source  
Y - Ground Water under the Direct Influence of Surface  
Water  
Z - Purchased Ground Water Under the Direct Influence of  
Surface Water

SYSTEM TYPE  
-----

C - Community  
N - Non-Community (Transient)  
P - Non-Transient Non-Community  
S - State-Defined System  
U - Ultra-Small System

WELL TYPE  
-----

1 - Open hole wells into bedrock aquifers.  
2 - Screened, natural filter wells into unconsoli-  
dated aquifers.  
3 - Screened, artificial filter wells into consoli-  
dated aquifers.  
4 - Open hole wells into limestone aquifers.

S. C. Department of Health and Environmental Control  
Bureau of Drinking Water Protection

(A)dd, (M)odify, 3 3 ZDDI  
(R)enum., (D)elele.....@DDDY

PUBLIC WATER SYSTEM INVENTORY REPORT FORM

System Name: SUMTER CITY OF  
System Number: 4310001 District (O&M): 09

Reason: \_\_\_\_\_

Today's Date: \_\_\_\_/\_\_\_\_/\_\_\_\_

MAILING ADDRESS:

GRADY C GRUBB  
SUPERINTENDENT  
PO BOX 1449  
SUMTER, SC 29151  
Telephone: (803)773-3977

GEOGRAPHICAL ADDRESS (If Different):

GRADY C GRUBB  
PO BOX 1449  
SUMTER, SC 29151  
Emergency Telephone: (803)775-0707

SYSTEM CHARACTERISTICS

System Type... C	Inact Date (mo/yr)...	Service Area.... R1	Season On (mo/day).... 0101
Owner Type.... 4		Counties	
Inact Code....	Begin Date (mo/yr)... 0677	Served: 43	Season Off (mo/day)... 1231

STATISTICAL INFORMATION

SOURCE INFORMATION:

Percent Surface Water..... 0  
Percent Ground Water..... 100  
Percent Purchased Surface Water.. 0  
Percent Purchased Ground Water.. 0

-----  
TOTAL MUST EQUAL 100 %

Number of Surface Water Sources.. 0  
Number of Ground Water Sources... 17  
Purchased Surface Water Sources... 0  
Purchased Ground Water Sources.... 0  
Number of Permanent SW Sources.... 0  
Number of Emergency SW Sources.... 0  
Number of Permanent GW Sources.... 0  
Number of Emergency GW Sources.... 0

SERVICE POPULATION:

Population..... 48053  
Secondary Population..... 0

NUMBER OF SERVICE CONNECTIONS:

Residential..... 16304  
Non-Residential.... 1718  
Maximum Allowable.. 0

PRODUCTION CAPACITIES (MGD):

Average..... 11.1000  
Maximum Day..... 15.9000  
Total..... 16.8600  
Emergency..... 0.0000

STORAGE:

Elevated (MG).... 2.625  
Ground (MG)..... 5.000  
Pressure (TG).... 0.000

COMMENTS

S. C. Department of Health and Environmental Control  
Bureau of Drinking Water Protection

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(A)dd, (M)odify, 3 3  
(R)enum., (D)ete.....@DDY

PUBLIC WATER SYSTEM SOURCE/PLANT INVENTORY

System Name: SUMTER CITY OF  
System Number: 4310001 Source ID: G43101

Reason: \_\_\_\_\_

Today's Date: \_\_\_\_/\_\_\_\_/\_\_\_\_

.....  
GENERAL INFORMATION

Description 1..... WELL ONE	Availability Code... P
Description 2..... SUMTER 1	Latitude..... 335608
Receiving Plant... WATER PLANT 1 <i>Sumter /</i>	Longitude..... 0802047
Plant ID..... 843017	Source Code..... G

.....  
GROUND WATER SOURCE INFORMATION

WELL CHARACTERISTICS:	WELL PUMP CHARACTERISTICS:
Depth (ft)..... 550	Horsepower..... 100.00
Type..... 3	Type..... I
Casing Diameter (in)..... 12	Yield (gpm)..... 1200
Casing Type..... S	Avg. Daily Production(TGD)... 0.00
Under the Direct Influence	Regulated Capacity (TGD)..... 1250.00
of Surface Water?..... N	

.....  
TREATMENT CODES

N9970,

.....  
COMMENTS

S. C. Department of Health and Environmental Control  
Bureau of Drinking Water Protection

(A)dd, (M)odify, 3 3  
(R)enum., (D)elele.....@DDDY

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PUBLIC WATER SYSTEM SOURCE/PLANT INVENTORY

System Name: SUMTER CITY OF  
System Number: 4310001 Source ID: G43102

Reason: \_\_\_\_\_

Today's Date: \_\_\_\_/\_\_\_\_/\_\_\_\_

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GENERAL INFORMATION

Description 1..... WELL THREE      # 2      Availability Code... P  
Description 2..... SUMTER 3      Latitude..... 335601  
Receiving Plant... WATER PLANT 1      Longitude..... 0802050  
Plant ID..... 843017      Source Code..... G

.....  
GROUND WATER SOURCE INFORMATION

WELL CHARACTERISTICS:	WELL PUMP CHARACTERISTICS:
Depth (ft)..... 0	Horsepower..... 100.00
Type..... 3	Type..... T
Casing Diameter (in)..... 12	Yield (gpm)..... 1500
Casing Type..... S	Avg. Daily Production(TGD)... 0.00
Under the Direct Influence of Surface Water?..... N	Regulated Capacity (TGD)..... 1563.00

.....  
TREATMENT CODES

N9970,

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COMMENTS

S. C. Department of Health and Environmental Control  
Bureau of Drinking Water Protection

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(R)enum., (D)elele.....@DDDY

PUBLIC WATER SYSTEM SOURCE/PLANT INVENTORY

System Name: SUMTER CITY OF  
System Number: 4310001 Source ID: G43103

Reason: \_\_\_\_\_

Today's Date: \_\_\_\_/\_\_\_\_/\_\_\_\_

GENERAL INFORMATION

Description 1..... WELL FOUR  
Description 2..... SUMTER 4 #3  
Receiving Plant... WATER PLANT 1  
Plant ID..... 843017  
Availability Code... P  
Latitude..... 335604  
Longitude..... 0802057  
Source Code..... G

GROUND WATER SOURCE INFORMATION

WELL CHARACTERISTICS:  
Depth (ft)..... 629  
Type..... 3  
Casing Diameter (in)..... 10  
Casing Type..... S  
Under the Direct Influence  
of Surface Water?..... N  
WELL PUMP CHARACTERISTICS:  
Horsepower..... 100.00  
Type..... T  
Yield (gpm)..... 1050  
Avg. Daily Production(TGD)... 0.00  
Regulated Capacity (TGD)..... 1694.00

TREATMENT CODES

W9970,

COMMENTS

S. C. Department of Health and Environmental Control  
Bureau of Drinking Water Protection

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(A)dd, (M)odify, 3 3  
(R)enum., (D)elete.....@DDDY

PUBLIC WATER SYSTEM SOURCE/PLANT INVENTORY

Reason: \_\_\_\_\_

System Name: SUMTER CITY OF  
System Number: 4310001 Source ID: G43104

Today's Date: \_\_\_\_/\_\_\_\_/\_\_\_\_

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GENERAL INFORMATION

Description 1..... WELL FIVE	Availability Code... P
Description 2..... SUMTER 5	Latitude..... 335559
Receiving Plant... WATER PLANT 1 # 4	Longitude..... 0802033
Plant ID..... 843017	Source Code..... G

.....  
GROUND WATER SOURCE INFORMATION

WELL CHARACTERISTICS:	WELL PUMP CHARACTERISTICS:
Depth (ft)..... 600	Horsepower..... 125.00
Type..... 3	Type..... I
Casing Diameter (in)..... 12	Yield (gpm)..... 850
Casing Type..... S	Avg. Daily Production(TGD)... 0.00
Under the Direct Influence	Regulated Capacity (TGD)..... 816.00
of Surface Water?..... N	

.....  
TREATMENT CODES

N9970,

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COMMENTS

S. C. Department of Health and Environmental Control  
Bureau of Drinking Water Protection

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(A)dd, (M)odify, 3 3  
(R)enum., (D)etele.....@DDDY

PUBLIC WATER SYSTEM SOURCE/PLANT INVENTORY

Reason: \_\_\_\_\_

System Name: SUMTER CITY OF  
System Number: 4310001 Source ID: G43105

Today's Date: \_\_\_\_/\_\_\_\_/\_\_\_\_

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GENERAL INFORMATION

Description 1..... WELL ONE	Availability Code... 0
Description 2..... SUMTER 1	Latitude..... 335502
Receiving Plant... WATER PLANT 2 # 5	Longitude..... 0801917
Plant ID..... B43018	Source Code..... G

.....  
GROUND WATER SOURCE INFORMATION

WELL CHARACTERISTICS:	WELL PUMP CHARACTERISTICS:
Depth (ft)..... 0	Horsepower..... 0.00
Type.....	Type.....
Casing Diameter (in)..... 0	Yield (gpm)..... 350
Casing Type.....	Avg. Daily Production(TGD)... 0.00
Under the Direct Influence	Regulated Capacity (TGD)..... 816.00
of Surface Water?..... N	

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TREATMENT CODES

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COMMENTS



S. C. Department of Health and Environmental Control  
Bureau of Drinking Water Protection

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(A)dd, (M)odify, 3 3  
(R)enum., (D)etele.....@DDDY

PUBLIC WATER SYSTEM SOURCE/PLANT INVENTORY

System Name: SUMTER CITY OF  
System Number: 4310001 Source ID: G43106

Reason: \_\_\_\_\_

Today's Date: \_\_\_\_/\_\_\_\_/\_\_\_\_

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GENERAL INFORMATION

Description 1..... WELL TWP	Availability Code... P
Description 2..... SUMTER 2	Latitude..... 335457
Receiving Plant... WATER PLANT 2 # 6	Longitude..... 0801930
Plant ID..... B43018	Source Code..... G

.....  
GROUND WATER SOURCE INFORMATION

WELL CHARACTERISTICS:	WELL PUMP CHARACTERISTICS:
Depth (ft)..... 620	Horsepower..... 100.00
Type..... 3	Type..... T
Casing Diameter (in)..... 10	Yield (gpm)..... 1380
Casing Type..... S	Avg. Daily Production(TGD)... 0.00
Under the Direct Influence	Regulated Capacity (TGD)..... 1437.00
of Surface Water?..... N	

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TREATMENT CODES

N9970,

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COMMENTS

S. C. Department of Health and Environmental Control  
Bureau of Drinking Water Protection

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(A)dd, (M)odify, 3 3  
(R)enum., (D)elete.....@DDDY

PUBLIC WATER SYSTEM SOURCE/PLANT INVENTORY

Reason: \_\_\_\_\_

System Name: SUMTER CITY OF  
System Number: 4310001 Source ID: G43107

Today's Date: \_\_\_\_/\_\_\_\_/\_\_\_\_

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GENERAL INFORMATION

Description 1..... WELL THREE  
Description 2..... SUMTER 3  
Receiving Plant... WATER PLANT 2  
Plant ID..... 843018

Availability Code... P  
Latitude..... 335506  
Longitude..... 0801923  
Source Code..... G

.....  
GROUND WATER SOURCE INFORMATION

WELL CHARACTERISTICS:

Depth (ft)..... 0  
Type..... 3  
Casing Diameter (in)..... 10  
Casing Type..... S  
Under the Direct Influence  
of Surface Water?..... N

WELL PUMP CHARACTERISTICS:

Horsepower..... 100.00  
Type..... T  
Yield (gpm)..... 1700  
Avg. Daily Production(TGD)... 0.00  
Regulated Capacity (TGD)..... 1632.00

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TREATMENT CODES

N9970,

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COMMENTS

S. C. Department of Health and Environmental Control  
Bureau of Drinking Water Protection

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(R)enum., (D)elete.....EDDDY

PUBLIC WATER SYSTEM SOURCE/PLANT INVENTORY

System Name: SUMTER CITY OF  
System Number: 4310001 Source ID: G43108

Reason: \_\_\_\_\_

Today's Date: \_\_\_\_/\_\_\_\_/\_\_\_\_

GENERAL INFORMATION

Description 1..... WELL ONE	Availability Code... P
Description 2..... SUMTER 1	Latitude..... 335146
Receiving Plant... WATER PLANT 3 # 8	Longitude..... 0802256
Plant ID..... 843019	Source Code..... G

GROUND WATER SOURCE INFORMATION

WELL CHARACTERISTICS:	WELL PUMP CHARACTERISTICS:
Depth (ft)..... 681	Horsepower..... 100.00
Type..... 3	Type..... 1
Casing Diameter (in)..... 10	Yield (gpm)..... 1115
Casing Type..... S	Avg. Daily Production(TGD)... 0.00
Under the Direct Influence	Regulated Capacity (TGD)..... 1070.00
of Surface Water?..... N	

TREATMENT CODES

N9970,

COMMENTS

S. C. Department of Health and Environmental Control  
Bureau of Drinking Water Protection

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(A)dd, (M)odify, 3 3  
(R)enum., (D)elete.....@DDDY

PUBLIC WATER SYSTEM SOURCE/PLANT INVENTORY

System Name: SUMTER CITY OF  
System Number: 4310001 Source ID: G43109

Reason: \_\_\_\_\_

Today's Date: \_\_\_\_/\_\_\_\_/\_\_\_\_

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GENERAL INFORMATION

Description 1..... WELL TWO	Availability Code... P
Description 2..... SUMTER 2	Latitude..... 335151
Receiving Plant... WATER PLANT 3 #9	Longitude..... 0802247
Plant ID..... B43019	Source Code..... G

.....  
GROUND WATER SOURCE INFORMATION

WELL CHARACTERISTICS:	WELL PUMP CHARACTERISTICS:
Depth (ft)..... 694	Horsepower..... 100.00
Type..... 3	Type..... T
Casing Diameter (in)..... 12	Yield (gpm)..... 1125
Casing Type..... S	Avg. Daily Production(TGD)... 0.00
Under the Direct Influence	Regulated Capacity (TGD)..... 1080.00
of Surface Water?..... N	

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TREATMENT CODES

N9970,

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COMMENTS

S. C. Department of Health and Environmental Control  
Bureau of Drinking Water Protection

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(A)dd, (M)odify, 3 3  
(R)enum., (D)ete.....@DDDY

PUBLIC WATER SYSTEM SOURCE/PLANT INVENTORY

Reason: \_\_\_\_\_

System Name: SUMTER CITY OF  
System Number: 4310001 Source ID: G43110

Today's Date: \_\_\_\_/\_\_\_\_/\_\_\_\_

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GENERAL INFORMATION

Description 1..... WELL THREE	Availability Code... P
Description 2..... SUMTER 3	Latitude..... 335153
Receiving Plant... WATER PLANT 3 # 10	Longitude..... 0802259
Plant ID..... 843019	Source Code..... G

.....  
GROUND WATER SOURCE INFORMATION

WELL CHARACTERISTICS:	WELL PUMP CHARACTERISTICS:
Depth (ft)..... 678	Horsepower..... 100.00
Type..... 3	Type..... T
Casing Diameter (in)..... 12	Yield (gpm)..... 900
Casing Type..... S	Avg. Daily Production(TGD)... 0.00
Under the Direct Influence	Regulated Capacity (TGD)..... 864.00
of Surface Water?..... N	

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TREATMENT CODES

N9970,

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COMMENTS

S. C. Department of Health and Environmental Control  
Bureau of Drinking Water Protection

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(A)dd, (M)odify, 3 3  
(R)enum., (D)elele.....@DDDY

PUBLIC WATER SYSTEM SOURCE/PLANT INVENTORY

System Name: SUMTER CITY OF  
System Number: 4310001 Source ID: G43111

Reason: \_\_\_\_\_

Today's Date: \_\_\_\_/\_\_\_\_/\_\_\_\_

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GENERAL INFORMATION

Description 1..... WELL FOUR	Availability Code... P
Description 2..... SUMTER 4	Latitude..... 335152
Receiving Plant... WATER PLANT 3 # 11	Longitude.... 0802240
Plant ID..... B43019	Source Code..... G

.....  
GROUND WATER SOURCE INFORMATION

WELL CHARACTERISTICS:	WELL PUMP CHARACTERISTICS:
Depth (ft)..... 0	Horsepower..... 100.00
Type..... 3	Type..... 1
Casing Diameter (in)..... 10	Yield (gpm)..... 350
Casing Type..... S	Avg. Daily Production(TGD)... 0.00
Under the Direct Influence	Regulated Capacity (TGD).... 816.00
of Surface Water?..... N	

.....  
TREATMENT CODES

N9970,

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COMMENTS

S. C. Department of Health and Environmental Control  
Bureau of Drinking Water Protection

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(R)enum., (D)elete.....2000Y

PUBLIC WATER SYSTEM SOURCE/PLANT INVENTORY

System Name: SUMTER CITY OF  
System Number: 4310001 Source ID: G43112

Reason: \_\_\_\_\_

Today's Date: \_\_\_\_/\_\_\_\_/\_\_\_\_

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GENERAL INFORMATION

Description 1..... WELL FIVE	Availability Code... P
Description 2..... SUMTER 5	Latitude..... 335139
Receiving Plant... WATER PLANT 3 #12	Longitude..... 0802255
Plant ID..... B43019	Source Code..... G

.....  
GROUND WATER SOURCE INFORMATION

WELL CHARACTERISTICS:	WELL PUMP CHARACTERISTICS:
Depth (ft)..... 714	Horsepower..... 125.00
Type..... 3	Type..... T
Casing Diameter (in)..... 12	Yield (gpm)..... 350
Casing Type..... S	Avg. Daily Production(TGD)... 0.00
Under the Direct Influence	Regulated Capacity (TGD)..... 816.00
of Surface Water?..... N	

.....  
TREATMENT CODES

N9970,

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COMMENTS

S. C. Department of Health and Environmental Control  
Bureau of Drinking Water Protection

PUBLIC WATER SYSTEM SOURCE/PLANT INVENTORY

System Name: SUMTER CITY OF  
System Number: 4310001 Source ID: G43113

(A)dd, (M)odify, 3 3 ZDD:  
(R)enum., (D)ete.....@DDDY

Reason: \_\_\_\_\_

Today's Date: \_\_\_\_/\_\_\_\_/\_\_\_\_

GENERAL INFORMATION

Description 1..... WELL ONE  
Description 2..... SUMTER 1  
Receiving Plant... WATER PLANT 4 #13  
Plant ID..... B43020  
Availability Code... P  
Latitude..... 335328  
Longitude..... 0802159  
Source Code..... G

GROUND WATER SOURCE INFORMATION

WELL CHARACTERISTICS:  
Depth (ft)..... 647  
Type..... 3  
Casing Diameter (in)..... 12  
Casing Type..... S  
Under the Direct Influence  
of Surface Water?..... N  
WELL PUMP CHARACTERISTICS:  
Horsepower..... 125.00  
Type..... T  
Yield (gpm)..... 2080  
Avg. Daily Production(TGD)... 0.00  
Regulated Capacity (TGD)..... 1997.00

TREATMENT CODES

N9970,

COMMENTS



S. C. Department of Health and Environmental Control  
Bureau of Drinking Water Protection

(A)dd, (M)odify, 3 3 ZDI  
(R)enum., (D)etele.....@DDDY

PUBLIC WATER SYSTEM SOURCE/PLANT INVENTORY

System Name: SUMTER CITY OF  
System Number: 4310001 Source ID: G43114

Reason: \_\_\_\_\_

Today's Date: \_\_\_\_/\_\_\_\_/\_\_\_\_

.....  
GENERAL INFORMATION

Description 1.....	WELL TWO	Availability Code...	P
Description 2.....	SUMTER 2	Latitude.....	335330
Receiving Plant...	WATER PLANT 4	Longitude.....	0802149
Plant ID.....	843020	Source Code.....	G

.....  
GROUND WATER SOURCE INFORMATION

WELL CHARACTERISTICS:		WELL PUMP CHARACTERISTICS:	
Depth (ft).....	694	Horsepower.....	125.00
Type.....		Type.....	I
Casing Diameter (in).....	0	Yield (gpm).....	1850
Casing Type.....		Avg. Daily Production(TGD)...	0.00
Under the Direct Influence		Regulated Capacity (TGD).....	1776.00
of Surface Water?.....	N		

.....  
TREATMENT CODES

N9970,

.....  
COMMENTS

S. C. Department of Health and Environmental Control  
Bureau of Drinking Water Protection

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(R)enum., (D)etele.....@DDOY

PUBLIC WATER SYSTEM SOURCE/PLANT INVENTORY

System Name: SUMTER CITY OF  
System Number: 4310001 Source ID: G43115

Reason: \_\_\_\_\_

Today's Date: \_\_\_\_/\_\_\_\_/\_\_\_\_

GENERAL INFORMATION

Description 1..... WELL THREE  
Description 2..... SUMTER 3  
Receiving Plant... WATER PLANT 4 #15  
Plant ID..... 843020  
Availability Code... P  
Latitude..... 335331  
Longitude..... 0802140  
Source Code..... G

GROUND WATER SOURCE INFORMATION

WELL CHARACTERISTICS:  
Depth (ft)..... 635  
Type..... 3  
Casing Diameter (in)..... 12  
Casing Type..... S  
Under the Direct Influence  
of Surface Water?..... N  
WELL PUMP CHARACTERISTICS:  
Horsepower..... 125.00  
Type..... T  
Yield (gpm)..... 1750  
Avg. Daily Production(TGD)... 0.00  
Regulated Capacity (TGD)..... 1680.00

TREATMENT CODES

N9970,

COMMENTS

S. C. Department of Health and Environmental Control  
Bureau of Drinking Water Protection

(A)dd, (M)odify, 3 3 ZDD  
(R)enum., (D)elete.....@DDDY

PUBLIC WATER SYSTEM SOURCE/PLANT INVENTORY

System Name: SUMTER CITY OF  
System Number: 4310001 Source ID: G43311

Reason: \_\_\_\_\_

Today's Date: \_\_\_\_/\_\_\_\_/\_\_\_\_

GENERAL INFORMATION

Description 1..... NORTH OF PLANT 5  
Description 2..... WELL TWO - PLANT 5  
Receiving Plant...  
Plant ID..... # 16

Availability Code... P  
Latitude.....  
Longitude.....  
Source Code..... G

GROUND WATER SOURCE INFORMATION

WELL CHARACTERISTICS:

Depth (ft)..... 545  
Type..... 3  
Casing Diameter (in)..... 12  
Casing Type..... S  
Under the Direct Influence  
of Surface Water?..... N

WELL PUMP CHARACTERISTICS:

Horsepower..... 125.00  
Type..... T  
Yield (gpm)..... 2045  
Avg. Daily Production(TGD)... 1500.00  
Regulated Capacity (TGD)..... 1963.00

TREATMENT CODES

N9970,

COMMENTS

S. C. Department of Health and Environmental Control  
Bureau of Drinking Water Protection

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(R)enum., (D)ele. ....@DDDY

ZDD

PUBLIC WATER SYSTEM SOURCE/PLANT INVENTORY

System Name: SUMTER CITY OF  
System Number: 4310001 Source ID: G43312

Reason: \_\_\_\_\_

Today's Date: \_\_\_\_/\_\_\_\_/\_\_\_\_

GENERAL INFORMATION

Description 1..... SOUTH OF PLANT 5  
Description 2..... WELL ONE - PLANT 5  
Receiving Plant...  
Plant ID.....

Availability Code... P  
Latitude.....  
Longitude.....  
Source Code..... G

# 17

GROUND WATER SOURCE INFORMATION

WELL CHARACTERISTICS:

Depth (ft)..... 547  
Type..... 3  
Casing Diameter (in)..... 12  
Casing Type..... S  
Under the Direct Influence  
of Surface Water?..... N

WELL PUMP CHARACTERISTICS:

Horsepower..... 125.00  
Type..... I  
Yield (gpm)..... 1675  
Avg. Daily Production(TGD)... 1500.00  
Regulated Capacity (TGD)..... 1608.00

TREATMENT CODES

M9970,

COMMENTS

S. C. Department of Health and Environmental Control  
Bureau of Drinking Water Protection

(A)dd, (M)odify, 3 3 ZDD  
(R)enum., (D)etele.....eDDDY

PUBLIC WATER SYSTEM SOURCE/PLANT INVENTORY

System Name: SUMTER CITY OF  
System Number: 4310001 Plant ID: 843017

Reason: \_\_\_\_\_

Today's Date: \_\_\_\_/\_\_\_\_/\_\_\_\_

.....  
PLANT SOURCE INFORMATION

Plant Name.... WATER PLANT 1 SUMTER	Average Production (MGD)...	0.0000
Plant Phone... (803)773-3977	Total Capacity (MGD).....	4.9000
Plant Type.... B	Emergency Capacity (MGD)...	0.0000

.....  
TREATMENT CODES

C4410,C4470,C7402,D4030,F1450,F7001,F7402,F7422,Z3802,

.....  
COMMENTS

S. C. Department of Health and Environmental Control  
Bureau of Drinking Water Protection

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(R)enum., (D)elele.....@DDDY

PUBLIC WATER SYSTEM SOURCE/PLANT INVENTORY

System Name: SUMTER CITY OF  
System Number: 4310001 Plant ID: 843018

Reason: \_\_\_\_\_

Today's Date: \_\_\_\_/\_\_\_\_/\_\_\_\_

PLANT SOURCE INFORMATION

Plant Name.... WATER PLANT 2 SUMTER	Average Production (MGD)...	0.0000
Plant Phone... (803)773-3977	Total Capacity (MGD).....	2.2900
Plant Type.... 3	Emergency Capacity (MGD)...	0.0000

TREATMENT CODES

C4410,C4470,C7402,D4010,D5410,F1450,F7001,F7402,F7422,Z3802,

COMMENTS

S. C. Department of Health and Environmental Control  
Bureau of Drinking Water Protection

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(R)enum., (D)elele.....@DDDY

PUBLIC WATER SYSTEM SOURCE/PLANT INVENTORY

System Name: SUMTER CITY OF  
System Number: 4310001 Plant ID: 843019

Reason: \_\_\_\_\_

Today's Date: \_\_\_\_/\_\_\_\_/\_\_\_\_

PLANT SOURCE INFORMATION

Plant Name.... WATER PLANT 3 SUMTER	Average Production (MGD)...	0.0000
Plant Phone... (803)773-3977	Total Capacity (MGD).....	5.7500
Plant Type.... B	Emergency Capacity (MGD)...	0.0000

TREATMENT CODES

C4410,C4470,C7402,D4010,F1450,F7001,F7402,F7422,Z3802,

COMMENTS

S. C. Department of Health and Environmental Control  
Bureau of Drinking Water Protection

(A)dd, (M)odify, 3 3 ZDD  
(R)enum., (D)etele.....@DDDY

PUBLIC WATER SYSTEM SOURCE/PLANT INVENTORY

System Name: SUMTER CITY OF  
System Number: 4310001 Plant ID: 843020

Reason: \_\_\_\_\_

Today's Date: \_\_\_\_/\_\_\_\_/\_\_\_\_

PLANT SOURCE INFORMATION

Plant Name.... WATER PLANT 4 SUMTER	Average Production (MGD)...	0.0000
Plant Phone... (803)773-3977	Total Capacity (MGD).....	4.0000
Plant Type.... B	Emergency Capacity (MGD)...	0.0000

TREATMENT CODES

C4410,C4470,C7402,D4010,F1410,F6601,F7402,P2401,P3451,P3601,P6000,

COMMENTS



S. C. Department of Health and Environmental Control  
Bureau of Drinking Water Protection

(A)dd, (M)odify, 3 3 ZDD  
(R)enum., (D)elele.....@DDDY

PUBLIC WATER SYSTEM SOURCE/PLANT INVENTORY

System Name: SUMTER CITY OF  
System Number: 4310001 Plant ID: 843022

Reason: \_\_\_\_\_

Today's Date: \_\_\_\_/\_\_\_\_/\_\_\_\_

.....  
PLANT SOURCE INFORMATION

Plant Name.... SUMTER PLANT 5	Average Production (MGD)...	2.7800
Plant Phone...	Total Capacity (MGD).....	4.0000
Plant Type.... 8	Emergency Capacity (MGD)...	0.0000

.....  
TREATMENT CODES

C4470,D4010,D4030,F1410,F3451,F7001,F7422,Z3802,

.....  
COMMENTS

S. C. Department of Health and Environmental Control - Bureau of Drinking Water Protection

PUBLIC WATER SYSTEM SANITARY SURVEY REPORT  
GROUNDWATER SYSTEMS

System Name: SUMTER, CITY OF  
System Number: 4310001

Survey Date: 04/26/93

Today's Date: \_\_\_/\_\_\_/\_\_\_

SOURCE:

1. Quantity..... S
2. Quality..... U
3. Protection from contam... S
4. Security..... S
5. Wellhead piping..... U
6. Weather protection..... S
7. Flow measuring device.... U

STORAGE:

8. Sanitary protection..... U
9. Maintenance..... I
10. Security..... S
11. Adequate volume..... S
12. Bypass, drain, etc..... U
13. Air/water ratio..... N

DISTRIBUTION:

14. Adequate pressure..... S
15. Fire flow..... S
16. Valve/hydrant maint..... U
17. Flushing program..... U
18. Leak detection/repair.... S
19. System map..... S
20. Cross connection prog.... S

WATER TREATMENT:

21. Equipment O&M..... U
22. Gas chlorine room..... U
23. Adequate disinfection... S
24. Safety equipment & proc.. S
25. Chemical usage..... S
26. Chemical storage..... U
27. Injection point..... S

GENERAL O&M:

28. House/grounds keeping... S
29. Staffing..... I
30. General O&M records.... S
31. Supplies & spare parts... S
32. Self-monitoring..... S
33. Sample siting plan..... I
34. Waste disposal..... S
35. Procedures manual..... U

OPERATOR QUALITY CONTROL:

36. Certified operator..... S
37. Knowledge & ability..... S
38. Facilities & testing.... I
39. Daily testing & records.. S

EMERGENCY OPERATION:

40. Stand-by power..... S
41. Emergency plan..... I

A. Plant Group (I - V)..... III

B. Operator Grade

- A..... 3
- B..... 1
- C..... 2
- D..... 2
- E..... 0

C. Field Tests

- Chlorine.....
- pH.....
- psi..... D
- Other.....

D. Samples Taken

- Bacteriological.....
- Inorganic.....
- Organic.....
- Radiological.....
- Other.....

E. Type Inspection... ROUTINE

F. Are All Services Metered?..... Y  
Percent Metered..... 100

G. Follow-up Scheduled?..... Y  
Date Scheduled..... 04/14/94

H. Overall Rating..... U

I. Operator/Owner Present?..... Y

COMMENTS

DHEC Representative

System Representative

Title

DHEC 2113 (Rev 02/91)

Page 24

Report Date: 09/23/94

## Field Data Information Sheet for Ground-Water Sampling

Page \_\_\_ of \_\_\_

S.C.D.H.E.C.

Hydrogeology Division

Date (yr/mo/day) <u>1-12-94</u>	Casing Diameter <u>2</u> inches
Field Personnel <u>B. Saydam, C. George, B. L. H. H. H.</u>	Casing Material <u>PVC</u>
Facility Name <u>Sumter Inert</u>	Top Elevation <u>1/100</u> ft
EPA ID # _____	Height of Riser <u>2'3"</u> 1/100 ft
Well ID # <u>#156 MW-09 (from MW-1)</u>	Surface Elevation <u>1/100</u> ft
<input checked="" type="checkbox"/> Upgradient <input type="checkbox"/> Downgradient	Screened Interval <u>1/100</u> ft
Weather Conditions <u>Partly Cloudy</u>	Bottom of Pump, if dedicated (depth/elevation) <u>1/100</u> ft
Air Temperature <u>45</u> °C	Steel Guard Pipe Around Casing YES <input type="checkbox"/> NO <input type="checkbox"/>
Total Well Depth (TWD) = <u>6'4" - 2'3" = 4'1" 15'1"</u> 1/100 ft	Locking Cap YES <input type="checkbox"/> NO <input type="checkbox"/>
Depth to Groundwater (DGW) = <u>17'4" - 2'3" = 15'1"</u> 1/100 ft	Protective Abutment YES <input type="checkbox"/> NO <input type="checkbox"/>
Length of Water Column (LWC) = TWD - DGW = <u>11'</u> 1/100 ft	Well Integrity Satisfactory YES <input type="checkbox"/> NO <input type="checkbox"/>
1 Casing Volume (OCV) = LWC x <u>.163</u> = <u>1.7</u> gal	Well Yield LOW <input type="checkbox"/> MODERATE <input type="checkbox"/> HIGH <input checked="" type="checkbox"/>
3 Casing Volumes = <u>5.1</u> gal = Standard Evacuation Volume	Remarks <u>Rebar kept 3 ft from shock absorber of well as pulled it up. Used a rope wrapped in foil to push it down to monitor.</u>
Method of Well Evacuation _____	
Method of Sample Collection _____	
Total Volume of Water Removed _____ gal	

## FIELD ANALYSES

VOLUME PURGED (gallons)	1.79 gals	3.3 gals	5.5			
TIME (military)	10:30	10:40	10:45	10:47		
pH (SU)	5.31	5.36	5.34			
Sp. Cond. (µmhos/cm)	124	132	129			
Water Temp (°C)	14.2	13.7	14.2			
TURBIDITY (subjective) *	4	4	4			
ODOR (subjective) **	1	1	1			

\* (1) Clear (2) Slight (3) Moderate (4) High \*\* (1) None (2) Faint (3) Moderate (4) Strong

COMMENTS/OBSERVATIONS: well located on northeast portion of the property.

MAR 17 1994

S.C.D.H.E.C.  
Control Bureau of Solid & Hazardous Waste Management

Ref. 15

## Field Data Information Sheet

## Ground-Water Sampling

S.C.D.H.E.C.

Hydrogeology Division

Page \_\_\_ of \_\_\_

Date (yr/mo/day) <u>1-12-94</u>	Casing Diameter <u>2</u> inches
Field Personnel <u>B. Snydman, E. George, B. Corley</u>	Casing Material <u>PVC</u>
Facility Name <u>Sumter Inert</u>	Top Elevation <u>11100</u> ft
EPA ID # _____	Height of Riser <u>2.4</u> ft
Well ID <u>SEM-W-10 (well #2)</u>	Surface Elevation <u>11100</u> ft
<input type="checkbox"/> Upgradient <input checked="" type="checkbox"/> Downgradient	Screened Interval <u>11100</u> ft
Weather Conditions <u>Partly Cldy</u>	Bottom of Pump, if dedicated (depth/elevation) <u>11100</u> ft
Air Temperature <u>45</u> °C	Steel Guard Pipe Around Casing YES <input type="checkbox"/> NO <input type="checkbox"/>
Total Well Depth (TWD) - <u>17.1 - 2.4 = 14.7</u> ft	Locking Cap YES <input type="checkbox"/> NO <input type="checkbox"/>
Depth to Groundwater (DGW) - <u>7.1" - 2.4" = 4.7"</u> ft	Protective Abutment YES <input type="checkbox"/> NO <input type="checkbox"/>
Length of Water Column (LWC) - TWD - DGW - <u>10</u> ft	Well Integrity Satisfactory YES <input type="checkbox"/> NO <input type="checkbox"/>
1 Casing Volume (OCV) - LWC x <u>1.63</u> = <u>1.6</u> gal	Well Yield LOW <input type="checkbox"/> MODERATE <input type="checkbox"/> HIGH <input type="checkbox"/>
3 Casing Volumes - <u>4.9</u> gal - Standard Evacuation Volume	Remarks _____
Method of Well Evacuation _____	_____
Method of Sample Collection _____	_____
Total Volume of Water Removed _____ gal	_____

## FIELD ANALYSES

VOLUME PURGED (gallons)	1.6	3.0	5.0	5.5		
TIME (military)	12:12	12:15	12:17	12:20	1:00	
pH (SU)	6.25	6.66	6.6	6.67		
Sp. Cond. (µmhos/cm)	1.00 ?	.800	1.39	0.98		
Water Temp (°C)	13.6	12.6	15	14.8°		
TURBIDITY (subjective) *	4	4	4	4		
ODOR (subjective) **	1	1	1	1		

\* (1) Clear (2) Slight (3) Moderate (4) High \*\* (1) None (2) Faint (3) Moderate (4) Strong

COMMENTS/OBSERVATIONS: at northern portion of site

## ATTACHMENT 1

## Field Data Information Sheet

## Ground-Water Sampling

S.C.D.H.E.C.

Hydrogeology Division

Page \_\_\_ of \_\_\_

Date (yr/mo/day) 1-12-94Field Personnel B. Simpson, B. Corley, B. CarverFacility Name Sumter Trust

EPA ID # \_\_\_\_\_

Well ID # SI-MW-11 (well #3)☐ Upgradient ☒ DowngradientWeather Conditions Sunny - WindyAir Temperature 50° °CTotal Well Depth (TWD) - 22.3' - 1.2' = 21.1 1/100 ftDepth to Groundwater (DGW) - 18.75' - 1.2' = 17.55 1/100 ftLength of Water Column (LWC) = TWD - DGW = 3.55' 1/100 ft1 Casing Volume (OCV) - LWC x .163 = 0.57 ~ 1/2 gal gal3 Casing Volumes = 1.73 gal = Standard Evacuation Volume

Method of Well Evacuation \_\_\_\_\_

Method of Sample Collection \_\_\_\_\_

Total Volume of Water Removed \_\_\_\_\_ gal

Casing Diameter 2 inchesCasing Material PVC

Top Elevation \_\_\_\_\_ 1/100 ft

Height of Riser 1.2' 1/100 ft

Surface Elevation \_\_\_\_\_ 1/100 ft

Screened Interval \_\_\_\_\_ 1/100 ft

Bottom of Pump, if dedicated (depth/elevation) \_\_\_\_\_ 1/100 ft

Steel Guard Pipe Around Casing YES ☐ NO ☐Locking Cap YES ☐ NO ☐Protective Abutment YES ☐ NO ☐Well Integrity Satisfactory YES ☐ NO ☐Well Yield LOW ☐ MODERATE ☐ HIGH ☐

Remarks \_\_\_\_\_

## FIELD ANALYSES

VOLUME PURGED (gallons)

2:050.51.2

TIME (military)

2:102:20

pH (SU)

7.097.07

Sp. Cond. (µmhos/cm)

344322

Water Temp (°C)

22°21.5°

TURBIDITY (subjective) \*

44

ODOR (subjective) \*\*

22

ODOR

\* (1) Clear (2) Slight (3) Moderate (4) High \*\* (1) None (2) Faint (3) Moderate (4) Strong

COMMENTS/OBSERVATIONS:

Well located near the center of the site.

S.C. DEPARTMENT OF HEALTH & ENVIRONMENTAL CONTROL  
BUREAU OF SOLID & HAZARDOUS WASTE

SITE BEING EVALUATED SUMTER INERT, 335415.8 LATITUDE 802138.6 LONGITUDE

THE ENDANGERED SPECIES FOUND WITHIN 4 MILES AND BETWEEN LATITUDE 33-42-50 TO 33-54-16 AND LONGITUDE 80-12-50 TO 80-21-39  
THIS REPORT IS BASED UPON DATA PROVIDED BY THE S.C. HERITAGE TRUST FOUNDATION (01/92).

COMMON NAME SCIENTIFIC NAME	STATUS	LONGITUDE LATITUDE	DISTANCE FROM SITE	GRANK SRANK	DATE ADDED	TOPO MAP / COUNTY WHERE THE SPECIES IS LOCATED
AWNED MEADOWBEAUTY RHEXIA ARISTOSA	CU	80-24-37 33-55-55	3.43 Miles WNW	G2 S2	01/01/83	SUMTER Sumter
RED-COCKADED WOODPECKER PICOIDES BOREALIS	FE	80-17-42 33-54-47	3.83 Miles ENE	G2 S2	02/01/80	SUMTER Sumter
DEPRESSION MEADOW	UN	80-24-37 33-55-55	3.43 Miles WNW	G3 S2	07/01/76	SUMTER Sumter
BOYKIN'S LOBELIA LOBELIA BOYKINII	UN	80-24-37 33-55-55	3.43 Miles WNW	G2 S?	05/01/77	SUMTER Sumter
CANBY'S DROPWORT OXYPOLIS CANBYI	FE	80-21-08 33-45-33	0.00 Miles UNK	G1G2 S1	08/15/86	BROGDON Clarendon
CAROLINA BAY	UN	80-21-08 33-45-33	0.00 Miles UNK		08/07/85	BROGDON Clarendon
CANBY'S DROPWORT OXYPOLIS CANBYI	FE	80-20-20 33-43-25	0.00 Miles UNK	G1G2 S1	08/07/85	PAXVILLE Clarendon
SPOTTED TURTLE CLEMMYS GUTTATA	UN	80-21-04 33-43-15	0.00 Miles UNK	G5 S5	05/01/75	PAXVILLE Clarendon
AWNED MEADOWBEAUTY RHEXIA ARISTOSA	CU	80-21-08 33-45-33	0.00 Miles UNK	G2 S2	08/07/85	BROGDON Clarendo

GRANK/SRANK - Nature Conservancy rating:

- G1 - Critically imperiled globally because of extreme rarity or because of some factor(s) making it especially vulnerable to extinction.  
G2 - Imperiled globally because of rarity or factor(s) making it vulnerable.

STATUS - Legal status

- FE - Federal Endanger  
FT - Federal Threaten  
NC - Of Concern, Nati

Ref. 19

S.C. DEPARTMENT OF HEALTH & ENVIRONMENTAL CONTROL  
BUREAU OF SOLID & HAZARDOUS WASTE

**SITE BEING EVALUATED SUMTER INERT, 335415.8 LATITUDE 802138.6 LONGITUDE**

**THE ENDANGERED SPECIES FOUND WITHIN 4 MILES AND BETWEEN LATITUDE 33-42-50 TO 33-54-16 AND LONGITUDE 80-12-50 TO 80-21-39**

THIS REPORT IS BASED UPON DATA PROVIDED BY THE S.C. HERITAGE TRUST FOUNDATION (01/92).

COMMON NAME	LONGITUDE	DISTANCE	GRANK	DATE	TOPO MAP /
SCIENTIFIC NAME	LATITUDE	FROM SITE	SRANK	ADDED	COUNTY WHERE THE SPECIES IS LOCATED
G3 - Either very rare throughout its range or found locally in a restricted range, or having factors making it vulnerable.					RC - Of Concern, Regional (plants)
G4 - Apparently secure globally, though it may be rare in parts of its range.					SE - State Endangered (animals)
G5 - Demonstrably secure globally, though it may be rare in parts of its range.					ST - State Threatened (animals)
S1 - Critically imperiled state-wide because of extreme rarity or because of some factor(s) making it especially vulnerable to extirpation.					SC - Of Concern, State (animals)
S2 - Imperiled state-wide because of rarity or factor(s) making it vulnerable.					SL - Of Concern, State (plants)
S3 - Rare or uncommon in state.					SX - State Extirpated
S4 - Apparently secure in state.					CU - Candidate (Federal review)
S5 - Demonstrably secure in state.					UN - Undetermined

Date: 09/22/94

S.C. DEPARTMENT OF HEALTH & ENVIRONMENTAL CONTROL

BUREAU OF SOLID & HAZARDOUS WASTE

SITE BEING EVALUATED SUMTER INERT, 335415.8 LATITUDE 802138.6 LONGITUDE

THE SURFACEWATER SUPPLIES FOUND BETWEEN LATITUDE 33-42-50 TO 33-54-16 AND LONGITUDE 80-12-50 TO 80-21-39

THIS REPORT IS BASED UPON DATA PROVIDED BY THE S.C. WATER RESOURCES COMMISSION (02/92).

TREATMENT WORKS NAME		LONGITUDE		PUMP (GPM)
OWNERS IDENTIFICATION	STREAM NAME	LATITUDE	SOURCE ID.	TREATMENT (GPD)
McLeod Farms		80-15-50	IR	0.0
McLeod Pond #1	Red Oak Branch	33-50-20		0.000
McLeod Farms		80-15-50	IR	0.0
McLeod Pond #2	Pocotaligo River	33-50-20		0.000

SOURCE IDENTIFICATION:

AQ - Aquaculture	IR - Irrigator	PT - Thermo-power	CO - Commerical	MI - Mining
ST - Sewage Treatment	GC - Golf Course	PH - Hydro-power	WS - Public Supply	IN - Industry



Ref. 20

SAMPLING PLAN  
Expanded Site Inspection  
Sumter Inert Site  
Sumter County, SC  
SCD 981 474 729

Prepared by:

Susan K. Snook  
Site Screening Section  
Bureau of Solid and Hazardous Waste Management  
South Carolina Department of Health and Environmental Control  
2600 Bull Street  
Columbia, South Carolina 29201

Date:

January 5, 1994

4 - SW

3 - MW

4 - SD

4 - SB

1 - Total Sample

## **1.0 BACKGROUND**

### **1.1 Permits and Authorization Requirements**

Permission to sample has been obtained by Mr. Abbas Abouhamdan, Environmental and Technical Engineer for Sumter County. Mr. Abouhamdan agreed to be present during sampling activities and provide the keys to the locked monitoring wells. Sampling activities will take place on January 12, 1994.

### **1.2 Site History and Description**

The Sumter Inert site consists of a forty acre landfill that borders the Green Swamp. The site is located on Cook Street in Sumter County approximately 1/2 mile south of Green Swamp Road.

The landfill operated from 1958 until 1972 as a large open dump. The site has been operated by the Sumter County Public Works Department since 1971. A lagoon, approximately 75 feet long and 50 feet wide, was used for the disposal of liquid industrial waste on-site. SCDHEC records indicate that the lagoon was used from the late 1960's until early 1974.

## **2.0 Sampling Investigation**

The following samples are proposed to assess the impact of the Sumter Inert site to the environment.

<b><u>SAMPLE TYPE</u></b>	<b><u>ID #</u></b>	<b><u>LOCATION/RATIONALE</u></b>
Subsurface Soil	SI-SB-01	Location: This soil boring should be collected from an area off-site and upgradient of site activities. This sample should be from east of the site and away from the parking area.
	SB1-3 Bottle SB09	Rationale: This will serve as the background soil sample.

Subsurface Soil	SI-SB-02	<p>Location: This soil boring should be collected from the center of the landfill in the location of the former liquid waste lagoon.</p> <p>Rationale: This will serve as a source sample from the lagoon/landfill to determine if contaminants are present.</p>
Subsurface Soil	SI-SB-03	<p>Location: This boring should also be collected from the landfill in a possible runoff area. This exact location should be appointed in the field during sampling activities.</p> <p>Rationale: Same as SI-SB-02</p>
Subsurface Soil	SI-SB-04	<p>Location: This boring should be collected from the west side of the landfill in the wetland area where mounds of fill material were observed.</p> <p>Rationale: Same as SI-SB-02 and to determine if contaminants are present in the wetland area.</p>
Surface Water/ Sediment	SI-SW-05 SI-SD-05	<p>Location: These samples should be collected from the Green Swamp near the bridge at Green Swamp Road. They should be upgradient of the former sewage disposal outfall. A small boat will be needed to obtain these samples and all others from the Green Swamp.</p> <p>Rationale: These will serve as background surface water and sediment samples.</p>
Surface Water/ Sediment	SI-SW-06 SI-SD-06	<p>Location: These should be collected from downgradient of the sewage disposal outfall, but upgradient of possible site influence in the Green Swamp. This is approximately 1000 feet from the Green Swamp Road bridge.</p> <p>Rationale: These will serve as a control sample for the sewage outfall.</p>

Surface Water/ Sediment	SI-SW-07 SI-SD-07	Location: These samples should be collected from the Green Swamp at the point of run-off from the landfill.  Rationale: To determine if the landfill is impacting surface water quality.
Surface Water/ Sediment	SI-SW-08 SI-SD-08	Location: These should be collected from the area near the railroad tracks where fishing was observed in the Green Swamp, and should be upgradient of the small tributary that parallels the railroad track.  Rationale: To determine if contaminants are present downstream of the site.
Groundwater	SI-MW-09	Location: This groundwater sample should be collected from the Sumter Inert Monitoring Well #1 located on the northeast portion of the property.  Rationale: This upgradient sample should serve as a background.
Groundwater	SI-MW-10	Location: This groundwater sample should be collected from MW #2 located at the north portion of the site.  Rationale: To determine the site's impact to local groundwater quality.
Groundwater	SI-MW-11	Location: This groundwater sample should be collected from MW #3 near the center of the site.  Rationale: Same at SI-MW-10.

## **2.2 Analytical Parameters Requested**

Samples from all media will be analyzed for chemicals found in the EPA Target Compound List (TCL).

## **APPENDIX A**

### STANDARD SAMPLE CODES

#### Water Samples

PW-Private Well  
PB-Public (municipal) Well  
MW-Monitoring (Permanent) Well  
IW-Industrial Well  
SW-Surface Water  
Water  
LW-Leachate Water  
TW-Temporary Well Point

#### Soil Samples

SS-Surface Soil  
SB-Subsurface Soil  
SZ-Saturation Zone  
SD-Sediment  
CS-Composite Soil (SS SP-Spring  
or SB)  
LS-Leachate Soil

#### Other Codes

SL-Sludge  
WA-Waste (as in. waste piles)  
DR-Drum  
\*\*QC-Quality Control

All samples codes will consist of at least 6 characters in the following format:

Site Name - Sample Type - Sample Number

Example: Standard Auto Sampling Investigation - Temporary Well Groundwater Sample-  
Number 08.

Appropriate Code: SA-TW-08

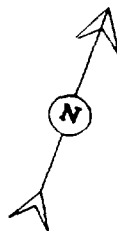
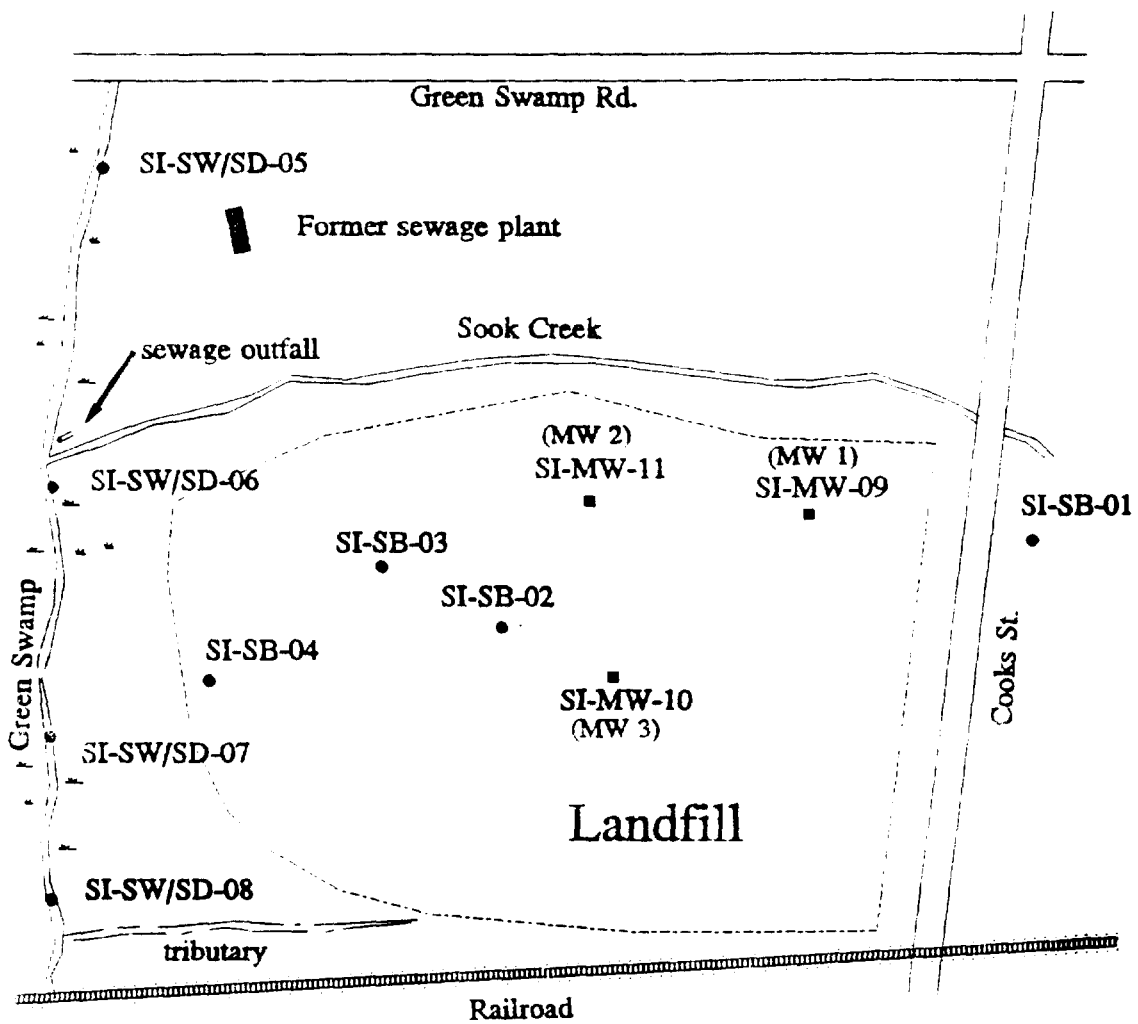
If you need additional identity for a particular sample location, add a suffix.

Example: If you took two subsurface soil samples in the borehole for Temporary Well #08.

Appropriate Code: SA-SB-08(A) or SA-SB-08(S) (Shallow)  
SA-SB-08(B) or SA-SB-08(D) (Deep)

**\*\*The QC sample code is usually for drilling water and sand pack samples and not for the Blank and Spike samples. Please disguise the Blank and Spike samples as one of the series of samples from the appropriate medium.**

Sumter Inert Site  
Expanded Site Inspection  
Sampling Plan



S C DHEC

NOT TO SCALE

Ref. 22

SITE NAME: Sumter Inert File

EPA ID NUMBER: SCD 981 474 729

RECORD OF COMMUNICATION

☐ Phone Call  
☒ Discussion  
☐ Field Trip  
☐ Conference  
☐ Other (Specify)

TO: Sumter Inert Site File

FROM: Susan Kuhne

DATE: September 28, 1994

TIME: 9:38 am

---

SUBJECT: Monitoring of the City of Sumter's 17 active public supply wells.

---

SUMMARY OF COMMUNICATION: Ms. Stacy Lomas of SCDHEC's Division of Water Quality and Enforcement stated that no VOC's have been detected in the 17 active City of Sumter wells.

---

CONCLUSIONS, ACTIONS TAKEN OR REQUIRED:

---

PREscore 2.0 - PRESCORE.TCL File 05/11/93  
HRS DOCUMENTATION RECORD  
SUMTER INERT LANDFILL - 09/27/94

PAGE: 1

1. Site Name: SUMTER INERT LANDFILL  
(as entered in CERCLIS)
2. Site CERCLIS Number: SCD 981 474 729
3. Site Reviewer: Susan Kuhne
4. Date: 9-24-94
5. Site Location: Sumter/Sumter, SC  
(City/County, State)
6. Congressional District:
7. Site Coordinates: Multiple

Latitude: 33°54'15.8"

Longitude: 080°21'38.6"

	Score
Ground Water Migration Pathway Score (Sgw)	100.00
Surface Water Migration Pathway Score (Ssw)	13.58
Soil Exposure Pathway Score (Ss)	0.00
Air Migration Pathway Score (Sa)	0.00

Site Score	50.46
------------	-------

NOTE

EPA uses the terms "facility," "site," and "release" interchangeably. The term "facility" is broadly defined in CERCLA to include any area where hazardous substances have "come to be located" (CERCLA Section 109(9)), and the listing process is not intended to define or reflect boundaries of such facilities or releases. Site names, and references to specific parcels or properties, are provided for general identification purposes only. Knowledge regarding the extent of sites will be refined as more information is developed during the RI/FS and even during implementation of the remedy.



PREscore 2.0 - PRESCORE.TCL File 05/11/93  
WASTE QUANTITY  
SUMTER INERT LANDFILL - 09/27/94

PAGE: 2

1. WASTESTREAM QUANTITY SUMMARY TABLE, SOURCE: Landfill

a. Wastestream ID	
b. Hazardous Constituent Quantity (C) (lbs.)	0.00
c. Data Complete?	NO
d. Hazardous Wastestream Quantity (W) (lbs.)	0.00
e. Data Complete?	NO
f. Wastestream Quantity Value (W/5,000)	0.00E+00

2. SOURCE HAZARDOUS WASTE QUANTITY FACTOR TABLE

a. Source ID	Landfill		
b. Source Type	Landfill		
c. Secondary Source Type	N.A.		
d. Source Vol.(yd3/gal)	Source Area (ft2)	0.00	1742400.00
e. Source Volume/Area Value	5.12E+02		
f. Source Hazardous Constituent Quantity (HCQ) Value (sum of 1b)	0.00E+00		
g. Data Complete?	NO		
h. Source Hazardous Wastestream Quantity (WSQ) Value (sum of 1f)	0.00E+00		
i. Data Complete?	NO		
k. Source Hazardous Waste Quantity (HWQ) Value (2e, 2f, or 2h)	5.12E+02		

Source Hazardous Substances	Depth (feet)	Liquid	Concent.	Units
Acenaphthene	> 2	NO	4.3E+00	ppm
Acenaphthylene	> 2	NO	2.0E-01	ppm
Acetone	> 2	NO	1.3E-01	ppm
Anthracene	> 2	NO	6.4E+00	ppm
Benz(a)anthracene	> 2	NO	2.2E+01	ppm
Benzo(a)pyrene	> 2	NO	1.2E+01	ppm
Benzo(j,k)fluorene	> 2	NO	3.7E+01	ppm
Benzofluoranthene, 3,4-	> 2	NO	1.7E+00	ppm
Bis (2-ethylhexyl) phthalate	> 2	NO	1.2E+00	ppm
Chrysene	> 2	NO	1.9E+01	ppm
Dibenz(a,h)anthracene	> 2	NO	2.0E+00	ppm
Dibenzofuran	> 2	NO	2.4E+00	ppm
Fluorene	> 2	NO	4.9E+00	ppm
Indeno(1,2,3-CD)pyrene	> 2	NO	7.6E+00	ppm
Methyl Napthalene, 2-	> 2	NO	1.1E+00	ppm
Napthalene	> 2	NO	2.1E+00	ppm
Phenanthrene	> 2	NO	3.0E+01	ppm
Pyrene	> 2	NO	2.8E+03	ppm
Toluene	> 2	NO	2.0E-03	ppm

PREscore 2.0 - PRESCORE.TCL File 05/11/93  
WASTE QUANTITY  
SUMTER INERT LANDFILL - 09/27/94

PAGE: 4

1. WASTESTREAM QUANTITY SUMMARY TABLE, SOURCE: Lagoon

a. Wastestream ID	
b. Hazardous Constituent Quantity (C) (lbs.)	0.00
c. Data Complete?	NO
d. Hazardous Wastestream Quantity (W) (lbs.)	0.00
e. Data Complete?	NO
f. Wastestream Quantity Value (W/5,000)	0.00E+00

2. SOURCE HAZARDOUS WASTE QUANTITY FACTOR TABLE

a. Source ID		Lagoon	
b. Source Type		Surface Impoundment	
c. Secondary Source Type		N.A.	
d. Source Vol.(yd3/gal)	Source Area (ft2)	0.00	5000.00
e. Source Volume/Area Value		3.85E+02	
f. Source Hazardous Constituent Quantity (HCQ) Value (sum of 1b)		0.00E+00	
g. Data Complete?		NO	
h. Source Hazardous Wastestream Quantity (WSQ) Value (sum of 1f)		0.00E+00	
i. Data Complete?		NO	
k. Source Hazardous Waste Quantity (HWQ) Value (2e, 2f, or 2h)		3.85E+02	

## WASTE QUANTITY

SUMTER INERT LANDFILL - 09/27/94

## 3. SITE HAZARDOUS WASTE QUANTITY SUMMARY

No. Source ID	Migration Pathways	Vol. or Area Value (2e)	Constituent or Wastestream Value (2f,2h)	Hazardous Waste Qty. Value (2k)
1 Landfill	GW-SW-SE-A	5.12E+02	0.00E+00	5.12E+02
2 Lagoon	GW-SW-SE-A	3.85E+02	0.00E+00	3.85E+02

4. PATHWAY HAZARDOUS WASTE QUANTITY AND WASTE CHARACTERISTICS SUMMARY TABLE

Migration Pathway	Contaminant Values	HWQVs*	WCVs**
Ground Water	Toxicity/Mobility 1.00E+04	100	32
SW: Overland Flow, DW	Tox./Persistence 1.00E+04	100	32
SW: Overland Flow, HFC	Tox./Persis./Bioacc. 5.00E+08	100	320
SW: Overland Flow, Env	Etox./Persis./Bioacc. 5.00E+08	100	320
SW: GW to SW, DW	Tox./Persistence 1.00E+04	100	32
SW: GW to SW, HFC	Tox./Persis./Bioacc. 5.00E+05	100	56
SW: GW to SW, Env	Etox./Persis./Bioacc. 5.00E+07	100	180
Soil Exposure:Resident	Toxicity 0.00E+00	0	0
Soil Exposure: Nearby	Toxicity 0.00E+00	0	0
Air	Toxicity/Mobility 2.00E+01	100	6

\* Hazardous Waste Quantity Factor Values

\*\* Waste Characteristics Factor Category Values

Note: SW = Surface Water  
GW = Ground Water  
DW = Drinking Water Threat  
HFC = Human Food Chain Threat  
Env = Environmental Threat

PREscore 2.0 - PRESCORE.TCL File 05/11/93  
GROUND WATER MIGRATION PATHWAY SCORESHEET  
SUMTER INERT LANDFILL - 09/27/94

PAGE: 1

GROUND WATER MIGRATION PATHWAY Factor Categories & Factors	Maximum Value	Value Assigned
Likelihood of Release to an Aquifer Aquifer: Shallow Aquifer		
1. Observed Release	550	550
2. Potential to Release		
2a. Containment	10	10
2b. Net Precipitation	10	0
2c. Depth to Aquifer	5	5
2d. Travel Time	35	35
2e. Potential to Release [lines 2a(2b+2c+2d)]	500	400
3. Likelihood of Release	550	550
Waste Characteristics		
4. Toxicity/Mobility	*	1.00E+04
5. Hazardous Waste Quantity	*	100
6. Waste Characteristics	100	32
Targets		
7. Nearest Well	50	2.00E+01
8. Population		
8a. Level I Concentrations	**	0.00E+00
8b. Level II Concentrations	**	0.00E+00
8c. Potential Contamination	**	6.09E+02
8d. Population (lines 8a+8b+8c)	**	6.09E+02
9. Resources	5	0.00E+00
10. Wellhead Protection Area	20	0.00E+00
11. Targets (lines 7+8d+9+10)	**	6.29E+02
12. Targets (including overlaying aquifers)	**	6.29E+02
13. Aquifer Score	100	100.00
GROUND WATER MIGRATION PATHWAY SCORE (Sgw)	100	100.00

\* Maximum value applies to waste characteristics category.  
\*\* Maximum value not applicable.

SURFACE WATER OVERLAND/FLOOD MIGRATION COMPONENT Factor Categories & Factors DRINKING WATER THREAT	Maximum Value	Value Assigned
Likelihood of Release		
1. Observed Release	550	0
2. Potential to Release by Overland Flow		
2a. Containment	10	10
2b. Runoff	25	0
2c. Distance to Surface Water	25	25
2d. Potential to Release by Overland Flow [lines 2a(2b+2c)]	500	250
3. Potential to Release by Flood		
3a. Containment (Flood)	10	10
3b. Flood Frequency	50	25
3c. Potential to Release by Flood (lines 3a x 3b)	500	250
4. Potential to Release (lines 2d+3c)	500	500
5. Likelihood of Release	550	500
Waste Characteristics		
6. Toxicity/Persistence	*	1.00E+04
7. Hazardous Waste Quantity	*	100
8. Waste Characteristics	100	32
Targets		
9. Nearest Intake	50	0.00E+00
10. Population		
10a. Level I Concentrations	**	0.00E+00
10b. Level II Concentrations	**	0.00E+00
10c. Potential Contamination	**	0.00E+00
10d. Population (lines 10a+10b+10c)	**	0.00E+00
11. Resources	5	0.00E+00
12. Targets (lines 9+10d+11)	**	0.00E+00
13. DRINKING WATER THREAT SCORE	100	0.00

\* Maximum value applies to waste characteristics category.  
 \*\* Maximum value not applicable.



PREscore 2.0 - PRESCORE.TCL File 05/11/93  
 SURFACE WATER OVERLAND/FLOOD MIGRATION COMPONENT SCORESHEET  
 SUMTER INERT LANDFILL - 09/27/94

PAGE: 3

SURFACE WATER OVERLAND/FLOOD MIGRATION COMPONENT Factor Categories & Factors HUMAN FOOD CHAIN THREAT	Maximum Value	Value Assigned
Likelihood of Release		
14. Likelihood of Release (same as line 5)	550	500
Waste Characteristics		
15. Toxicity/Persistence/Bioaccumulation	*	5.00E+08
16. Hazardous Waste Quantity	*	100
17. Waste Characteristics	1000	320
Targets		
18. Food Chain Individual	50	2.00E+00
19. Population		
19a. Level I Concentrations	**	0.00E+00
19b. Level II Concentrations	**	0.00E+00
19c. Pot. Human Food Chain Contamination	**	3.00E-04
19d. Population (lines 19a+19b+19c)	**	3.00E-04
20. Targets (lines 18+19d)	**	2.00E+00
21. HUMAN FOOD CHAIN THREAT SCORE	100	3.88

\* Maximum value applies to waste characteristics category.  
 \*\* Maximum value not applicable.

SURFACE WATER OVERLAND/FLOOD MIGRATION COMPONENT Factor Categories & Factors ENVIRONMENTAL THREAT	Maximum Value	Value Assigned
Likelihood of Release		
22. Likelihood of Release (same as line 5)	550	500
Waste Characteristics		
23. Ecosystem Toxicity/Persistence/Bioacc.	*	5.00E+08
24. Hazardous Waste Quantity	*	100
25. Waste Characteristics	1000	320
Targets		
26. Sensitive Environments		
26a. Level I Concentrations	**	0.00E+00
26b. Level II Concentrations	**	0.00E+00
26c. Potential Contamination	**	5.00E+00
26d. Sensitive Environments (lines 26a+26b+26c)	**	5.00E+00
27. Targets (line 26d)	**	5.00E+00
28. ENVIRONMENTAL THREAT SCORE	60	9.70
29. WATERSHED SCORE	100	13.58
30. SW: OVERLAND/FLOOD COMPONENT SCORE (Sof)	100	13.58

\* Maximum value applies to waste characteristics category.  
 \*\* Maximum value not applicable.

GROUND WATER TO SURFACE WATER MIGRATION COMPONENT Factor Categories & Factors DRINKING WATER THREAT	Maximum Value	Value Assigned
Likelihood of Release to Aquifer Aquifer: Shallow Aquifer		
1. Observed Release	550	550
2. Potential to Release		
2a. Containment	10	10
2b. Net Precipitation	10	0
2c. Depth to Aquifer	5	5
2d. Travel Time	35	35
2e. Potential to Release [lines 2a(2b+2c+2d)]	500	400
3. Likelihood of Release	550	550
Waste Characteristics		
4. Toxicity/Mobility/Persistence	*	1.00E+04
5. Hazardous Waste Quantity	*	100
6. Waste Characteristics	100	32
Targets		
7. Nearest Intake	50	0.00E+00
8. Population		
8a. Level I Concentrations	**	0.00E+00
8b. Level II Concentrations	**	0.00E+00
8c. Potential Contamination	**	0.00E+00
8d. Population (lines 8a+8b+8c)	**	0.00E+00
9. Resources	5	0.00E+00
10. Targets (lines 7+8d+9)	**	0.00E+00
11. DRINKING WATER THREAT SCORE	100	0.00

\* Maximum value applies to waste characteristics category.  
\*\* Maximum value not applicable.

GROUND WATER TO SURFACE WATER MIGRATION COMPONENT Factor Categories & Factors HUMAN FOOD CHAIN THREAT	Maximum Value	Value Assigned
Likelihood of Release		
12. Likelihood of Release (same as line 3)	550	550
Waste Characteristics		
13. Toxicity/Mobility/Persistence/Bioacc.	*	5.00E+05
14. Hazardous Waste Quantity	*	100
15. Waste Characteristics	1000	56
Targets		
16. Food Chain Individual	50	0.00E+00
17. Population		
17a. Level I Concentrations	**	0.00E+00
17b. Level II Concentrations	**	0.00E+00
17c. Pot. Human Food Chain Contamination	**	0.00E+00
17d. Population (lines 17a+17b+17c)	**	0.00E+00
18. Targets (lines 16+17d)	**	0.00E+00
19. HUMAN FOOD CHAIN THREAT SCORE	100	0.00

\* Maximum value applies to waste characteristics category.  
\*\* Maximum value not applicable.

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GROUND WATER TO SURFACE WATER MIGRATION COMPONENT SCORESHEET  
SUMTER INERT LANDFILL - 09/27/94

GROUND WATER TO SURFACE WATER MIGRATION COMPONENT Factor Categories & Factors ENVIRONMENTAL THREAT	Maximum Value	Value Assigned
Likelihood of Release		
20. Likelihood of Release (same as line 3)	550	550
Waste Characteristics		
21. Ecosystem Tox./Mobility/Persist./Bioacc.	*	5.00E+07
22. Hazardous Waste Quantity	*	100
23. Waste Characteristics	1000	180
Targets		
24. Sensitive Environments		
24a. Level I Concentrations	**	0.00E+00
24b. Level II Concentrations	**	0.00E+00
24c. Potential Contamination	**	0.00E+00
24d. Sensitive Environments (lines 24a+24b+24c)	**	0.00E+00
25. Targets (line 24d)	**	0.00E+00
26. ENVIRONMENTAL THREAT SCORE	60	0.00
27. WATERSHED SCORE	100	0.00
28. SW: GW to SW COMPONENT SCORE (Sgs)	100	0.00

\* Maximum value applies to waste characteristics category.  
\*\* Maximum value not applicable.

PREscore 2.0 - PRESCORE.TCL File 05/11/93  
 SOIL EXPOSURE PATHWAY SCORESHEET  
 SUMTER INERT LANDFILL - 09/27/94

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SOIL EXPOSURE PATHWAY Factor Categories & Factors RESIDENT POPULATION THREAT	Maximum Value	Value Assigned
Likelihood of Exposure		
1. Likelihood of Exposure	550	0
Waste Characteristics		
2. Toxicity	*	0.00E+00
3. Hazardous Waste Quantity	*	0
4. Waste Characteristics	100	0
Targets		
5. Resident Individual	50	0.00E+00
6. Resident Population		
6a. Level I Concentrations	**	0.00E+00
6b. Level II Concentrations	**	0.00E+00
6c. Resident Population (lines 6a+6b)	**	0.00E+00
7. Workers	15	0.00E+00
8. Resources	5	0.00E+00
9. Terrestrial Sensitive Environments	***	0.00E+00
10. Targets (lines 5+6c+7+8+9)	**	0.00E+00
11. RESIDENT POPULATION THREAT SCORE	**	0.00E+00

\* Maximum value applies to waste characteristics category.

\*\* Maximum value not applicable.

\*\*\* No specific maximum value applies, see HRS for details.

PREscore 2.0 - PRESCORE.TCL File 05/11/93  
 SOIL EXPOSURE PATHWAY SCORESHEET  
 SUMTER INERT LANDFILL - 09/27/94

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SOIL EXPOSURE PATHWAY Factor Categories & Factors NEARBY POPULATION THREAT	Maximum Value	Value Assigned
Likelihood of Exposure		
12. Attractiveness/Accessibility	100	0.00E+00
13. Area of Contamination	100	0.00E+00
14. Likelihood of Exposure	500	0.00E+00
Waste Characteristics		
15. Toxicity	*	0.00E+00
16. Hazardous Waste Quantity	*	0
17. Waste Characteristics	100	0
Targets		
18. Nearby Individual	1	0.00E+00
19. Population Within 1 Mile	**	0.00E+00
20. Targets (lines 18+19)	**	0.00E+00
21. NEARBY POPULATION THREAT SCORE	**	0.00E+00
SOIL EXPOSURE PATHWAY SCORE (Ss)	100	0.00

\* Maximum value applies to waste characteristics category.  
 \*\* Maximum value not applicable.

## AIR PATHWAY SCORESHEET

SUMTER INERT LANDFILL - 09/27/94

AIR MIGRATION PATHWAY Factor Categories & Factors	Maximum Value	Value Assigned
Likelihood of Release		
1. Observed Release	550	0
2. Potential to Release		
2a. Gas Potential to Release	500	84
2b. Particulate Potential to Release	500	66
2c. Potential to Release	500	84
3. Likelihood of Release	550	84
Waste Characteristics		
4. Toxicity/Mobility	*	2.00E+01
5. Hazardous Waste Quantity	*	100
6. Waste Characteristics	100	6
Targets		
7. Nearest Individual	50	0.00E+00
8. Population		
8a. Level I Concentrations	**	0.00E+00
8b. Level II Concentrations	**	0.00E+00
8c. Potential Contamination	**	0.00E+00
8d. Population (lines 8a+8b+8c)	**	0.00E+00
9. Resources	5	0.00E+00
10. Sensitive Environments		
10a. Actual Contamination	***	0.00E+00
10b. Potential Contamination	***	0.00E+00
10c. Sens. Environments(lines 10a+10b)	***	0.00E+00
11. Targets (lines 7+8d+9+10c)	**	0.00E+00
AIR MIGRATION PATHWAY SCORE (Sa)	100	0.00E+00

\* Maximum value applies to waste characteristics category.

\*\* Maximum value not applicable.

\*\*\* No specific maximum value applies, see HRS for details.



# South Carolina Department of Health and Environmental Control

2600 Bull Street  
Columbia, S.C. 29201

Commissioner  
Michael D. Jarrett



May 23, 1988

## Board

Moses H. Clarkson, Jr., Chairman  
Oren L. Brady, Jr., Vice-Chairman  
Euta M. Colvin, M.D., Secretary  
Harry M. Hallman, Jr.  
Henry S. Jordan, M.D.  
Toney Graham, Jr. M.D.

Mr. Scott Gardner  
US EPA, Region IV  
345 Courtland Street  
Atlanta, Georgia 30365

RE: Requested Revisions to Site  
Inspection Executive Summaries

Dear Scott:

Enclosed are the revisions, as requested, to the following Site  
Inspection Executive Summaries:

Wayside Farms - SCD 981 029 390  
Lee County

Earl Allen Chemical - SCD 981 024 102  
Aiken County

Sumter Inert Site - SCD 981 474 729  
Sumter County

Beaufort County Landfill - SCD 980 844 260  
Beaufort County

If you have any questions, do not hesitate to call.

Sincerely,

A handwritten signature in dark ink, appearing to read "Charles S. Strange, Jr.", is written over a horizontal line.

Charles S. Strange, Jr.  
Site Screening Section  
Bureau of Solid and Hazardous  
Waste Management

CSSjr:elf

Enclosures

MEMORANDUM

Date: MAR 22 1988

To: Charlie Strange  
SCDHHC, CERCLA Program

From: Scott Gardner  
U.S. EPA-CERCLA

Re: Sumter Inert (SCD 981 474 729)  
Screening Site Inspection Comments

- Under 'H', target information needs to include core specifics about population and well depths in comparison with the 'aquifer of concern' depths (refs 2,11).
- 'Site Layout' should include an area approximation for the landfill.
- For future reference, site screening investigations now call for core samples, approximately 8 to 20 depending on the site. (See Ref. 2)

2/1

SS!

can take more than 1 sample  
(ref. 8)

no values shared  
too much ref. 2

exec summary too complicated  
swap divide for shallow  
gu

3/1

Worthy or not?

# South Carolina Department of Health and Environmental Control

2600 Bull Street  
Columbia, S.C. 29201

Commissioner  
Michael D. Jarrett



## Board

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Euta M. Colvin, M.D., Secretary  
Harry M. Hallman, Jr.  
Henry S. Jordan, M.D.  
James A. Spruill, Jr.  
Toney Graham, Jr. M.D.

## MEMORANDUM

TO: US EPA, Region IV  
345 Courtland Street  
Atlanta, GA 30365

FROM: John D. Cain  
CERCLA Program  
SCDHEC  
2600 Bull Street  
Columbia, SC 29201

RE: Sumter Inert Site

DATE: November 12, 1987

## I. EXECUTIVE SUMMARY

The Sumter Inert Site is located on Cook Street in Sumter, South Carolina approximately 1/2 mile south of Green Swamp Road. The approximate site coordinates are latitude 33 degrees, 54 minutes and 17 seconds while the longitude is 80 degrees, 21 minutes and 33 seconds.

This site consists of an old city landfill operated from 1958-1972 as basically a large open dump, typical of many landfill operations of that time period. The site (owned by the City of Sumter throughout its history) accepted any and all types of wastes including those that would today be considered hazardous. DHEC personnel observed on numerous occasions (in the early 1970's) tanker trucks disposing of bulk liquids at this site directly onto the ground. It should be noted here that by today's standards, this would be entirely unacceptable, however, at that time there were no hazardous waste management regulations in effect in South Carolina. The specific wastes believed to have been disposed of at this site include solvents, paint sludges and print dye wastes (containing varsol, chromium and possibly trace amounts of metals). All of the materials disposed of here were apparently generated by local industry and private individuals.

According to our records, this site has accepted only inert materials (limbs, leaves, stumps, etc.) since 1973. The site has been operated by the Sumter County Public Works Department since March 1971. It was issued a temporary permit to operate as a sanitary landfill from August 30, 1972 - July 1, 1973; this permit was never renewed. The site is still in use today, but as mentioned earlier, now accepts only inert and cellulosic materials.

We conducted a CERCLA Screening Site Inspection (SSI) at this site on Wednesday, September 30, 1987. We met Capers Dixon, DHEC Wateree District Consultant and Mark Blackmon, DHEC Wateree District Director, at the site around 1:30 p.m. The weather was clear and warm. We collected one soil sediment sample from the back (western) portion of the landfill, and sent it to our Central Laboratory for analysis.

The general topography of the area is flat, the soil in the area is generally sandy and the site is located very close to a swamp.

I recommend that this site receive a "High" priority for future action, which should include an expanded site inspection. At that time additional samples should be collected (sediment and stream) and several groundwater monitoring wells should be installed, into both the shallow and deep aquifers. The new data gathered from these operations will allow us to assess the site's impact on the local environment, and to also determine whether or not the shallow and deeper aquifers are hydrologically connected.

## II. BACKGROUND, SITE SPECIFICS

### A. Location

The Sumter Inert site is located in Sumter, S. C. on Cook Street 1/2 mile south of Green Swamp Road. The site coordinates are latitude 33 degrees, 54 minutes, and 17 seconds while the longitude is 80 degrees, 21 minutes, and 33 seconds.

### B. Site Layout

The site topography is relatively flat with area soils primarily sandy. The site is bounded on the Southwest by Green Swamp and on the North by Sooks Branch. The road into the site is secured by a gate and this gate is locked nightly or whenever the inert landfill is not in operation.

In order to be certain of the impact that contaminants from this site have had on area groundwater, it will be necessary to have additional monitoring wells installed around the perimeter of the landfill. At this time, we have recent (1986) results from only one monitoring well located on the Southern portion of the landfill. This well is sampled periodically by Wateree District personnel, however, it is only 14 feet deep, slow to recharge and very difficult to sample properly for volatile organics. The samples from this well do show slight contamination with lead and iron, but no volatile organics. Based on the known history of past disposal practices at this site we would expect the shallow groundwater to show significant contamination with volatile organics, however, until we have more extensive groundwater samples, we cannot be certain of this. We are certain that the soil in some areas of the site are in fact saturated with volatile organics. This was confirmed in 1981 when a workman was overcome by fumes emanating from freshly dug soil (along the southern edge of the site) as a sewer line was being installed.

C. Ownership History

The Sumter Inert Site owner is the City of Sumter, their address is 115 North Harvin Street, Sumter, S.C. 29150. The City of Sumter has been the site owner throughout this property's history as a "landfill".

D. Site Use History

The Sumter Inert Site started out as the City of Sumter Landfill in 1958 when the city dump was moved from the Rittenburg Brickyard to the Cook Street location. It was owned and operated by the City of Sumter from 1958 until the Spring of 1971. During that time, the site accepted any and all types of wastes including those that would today be considered hazardous.

The Sumter County Public Works Department took over operation of the site in March 1971. The site continued to accepted all types of waste until the new Sumter County Landfill was opened in December 1973. From 1973 to the present, the Cook Street site has operated as an inert landfill accepting only inert and cellulosic materials.

E. Permit and Regulatory History

This site was issued a temporary permit to operate as a sanitary landfill dated August 30, 1972 to July 1, 1973. The site was not issued any other environmental permits nor was it the subject of any DHEC enforcement actions (primarily due to the fact that the landfill predated many of our regulations).

F. Remedial Actions to Date

A search of our files does not indicate any remedial actions performed at this site other than daily maintenance of the working face by earth moving equipment.

G. Summary Trip Report

We conducted a Screening Site Inspection (SSI) at Sumter Inert on Wednesday, September 30, 1987. Our team consisted of:

Myself - On-Scene Coordinator  
Charles S. Strange - Site Safety Officer  
Judy Canova - Geologist  
Helen McGill - Documentation  
Craig Dukes - Decontamination  
Gerald Stewart - Decontamination

We met Capers Dixon, Wateree District Consultant and Mark Blackmon, Wateree District Director on site around 1:30 p.m. The weather was clear and warm. We were interested in collecting one sediment sample, so after a file search, we tried to target an area that would be the most likely to show contamination. The area where the workman was overcome by organic fumes, on the southern portion of the site, seemed to be our best bet. Charles Strange, Mark Blackmon, Capers Dixon and myself proceeded to the area where

the sewer line is buried and augered approximately one foot down, testing the excavated soil with the HNU photoionizer. We dug approximately 15-20 holes in an effort to get an HNU reading and were unsuccessful in that area. We decided to move approximately 400 feet north to an area at the back of the landfill located downgradient from the area where bulk liquids had been disposed of in the past. We augered two holes and the sediment excavated from both gave us small HNU readings. We then collected the sediment sample from the second hole we had augered at this spot, and sent the samples to our Central Laboratory for analysis.

We observed inert materials being deposited at the site by individuals and some local businesses as well.

#### H. Apparent Seriousness of Problem

At this time, we do not have nearly as much groundwater monitoring data for this site as we would like. The site had two very shallow monitoring wells, however, one of the wells has been lost over the years. Sample results from the remaining well shows slight lead and iron contamination. The fact that samples from this well (that is only 12-14 feet deep) do not show volatile organic contamination can most probably be attributed to the incorrect sampling technique used by the personnel collecting the samples.

It is my opinion that the potential impact this site could have on Sumter residents should not be understated. There were very significant quantities of liquid industrial waste deposited here from 1958-1971, before the advent of hazardous waste management regulations. Conservative estimates for the amount of liquids deposited here are upwards of 500,000 gallons over this thirteen year period. This site started out as an open dump and obviously has never had any liner or leachate collection system, therefore, any liquids that did not evaporate while on the surface have in all likelihood migrated downward into the area groundwater. Sumter residents are heavily dependent on groundwater, in fact all municipal water supplies come from wells located within the three mile radius of this site. Although most of public supply wells draw from the deeper aquifers, contaminants from this site could eventually migrate downward and contaminate those aquifers. In addition to the groundwater pathway, contaminants may also migrate to the surface water of nearby Sooks Branch and Green Swamp.

I recommend that this site receive a "High" priority for future action, which should include an expanded site inspection. At that time, additional samples should be collected (sediment, stream) and several groundwater monitoring wells should be installed, into both the shallow and deep aquifers. The new data gathered from these operations will allow us to assess the site's impact on the local environment, and to also determine whether or not the shallow and deeper aquifers are hydrologically connected.

#### SUMTER INERT HRS REFERENCES

1. Sample results (10/29/87 and 6/29/87) from monitoring well on site at Sumter Inert (Copy attached).
2. Memorandum dated November 10, 1987 from Judy Canova, Geologist, Superfund and Solid Waste to John Cresswell, Manager of Site Screening Section (Copy attached).
3. Memo dated July 6, 1981 from Raymond Knox, Ground-Water Protection Division to Capers Dixon, Solid and Hazardous Waste Consultant, Wateree District (Copy attached).
4. Record of Communication dated October 19, 1987 between Capers Dixon, Solid and Hazardous Waste Consultant, Wateree District, and Helen McGill, Site Screening, SCDHEC concerning Sumter Inert Site (Copy attached).
5. Uncontrolled Hazardous Waste Site Ranking System, A User's manual; "Federal Register", Vol. 47, No. 137, July 16, 1982, or 40 CFR, Part 300, Appendix A.
6. Memorandum dated November 10, 1987 from R. Lewis Shaw, Deputy Commissioner, Environmental Quality Control, SCDHEC to Sumter Inert file (Copy attached).
7. Site Inspection Report dated September 30, 1987.
8. Memorandum dated November 2, 1987 from Helen J. McGill, Site Screening, SCDHEC concerning Site Inspection Trip Report and Sampling to Sumter Inert file (Copy attached).
9. Record of Communication dated October 28, 1987 between Lynn Dooley, Perimeter Petroleum and Helen McGill, Site Screening, SCDHEC concerning standard capacity of tanker trucks.
10. Map of Surface Water Treatment Plant Intakes in South Carolina, (Copy attached).
11. U. S. Geological Survey topographic map (7.5 minute series) Sumter East, Sumter West, Brogdon and Privateer Quadrangles (Copy attached).
12. South Carolina Heritage Trust Federal Endangered and Threatened Listing dated October 7, 1987.
13. Record of Communication dated 10/11/87 between Hilliard Harvey, Clemson Extension Agent and Helen McGill, Site Screening, SCDHEC (Copy attached).



14. Record of Communication dated 10/14/87 between Benny Altman, Irrigation Equipment and Helen McGill, Site Screening, SCDHEC (Copy attached).
15. Memorandum dated June 30, 1982 from Mike Marcus, Stream and Facility Monitoring, SCDHEC to Robert Eaddy, Florence Regional Laboratory (Copy attached).
16. Memorandum dated December 19, 1983 from Mike Marcus, Stream and Facility Monitoring, SCDHEC to Chris Lock, Solid and Hazardous Waste Consultant, Wateree District (Copy attached).
17. Memorandum dated April 27, 1981 from R. Capers Dixon, Solid and Hazardous Waste Consultant, Wateree District to Don Duncan, Director, Ground-Water Protection Division (Copy attached).
18. Memorandum dated March 13, 1970 from Earl Powers, Air Pollution, to W. G. Crosby (Copy attached).
19. Record of Communication dated October 12, 1987 between Grady Grubbs, Director of Utilities Sumter Public Works and Helen McGill, Site Screening, SCDHEC (Copy attached).
20. Record of Communication dated November 5, 1987 between Bill Boswell, Santee Print and Helen McGill, Site Screening, SCDHEC (Copy attached).
21. Record of Communication dated November 6, 1987 between Chris Lock, SCDHEC and Helen McGill, Site Screening, SCDHEC (Copy attached).
22. Map of City of Sumter Census Tracts (Copy attached).
23. Population Distribution by Census Tracts, Table IV (Copy attached).
24. Record of Communication dated November 3, 1987 between Bob Massey of Layne-Atlantic from Helen McGill, Site Screening, SCDHEC concerning screening depths of community wells for the City of Sumter (Copy attached).
25. Record of Communication dated November 12, 1987 between Bob Massey of Layne-Atlantic from Helen McGill, Site Screening, SCDHEC concerning status of City of Sumter well (Sum-0065, 23 p-W) (Copy attached).
26. EPA Hazard Ranking System Waste Characteristics Values (Toxicity/Persistence Matrix) Draft, Table I.
27. Dangerous Properties of Industrial Materials, Six Edition, N. Irving Sax.
28. Handbook of Toxic and Hazardous Chemicals and Carcinogens, Second Edition, Marshall Sittig.

29. Record of Communication dated November 12, 1987 between Roy McLaurin, Plant Engineer, Southern Coating, and Helen McGill, Site Screening, SCDHEC, concerning composition and quantity of waste disposed at Sumter Inert Landfill (Copy attached).
30. Record of Communication dated November 19, 1987 between Tom Robertson, Chemist, Southern Coating, and Helen McGill, Site Screening, SCDHEC concerning composition of wastes disposed at Sumter Inert Landfill (Copy attached).
31. Memorandum dated November 9, 1987 from Capers Dixon, Wateree District to John Cain, Bureau of Solid and Hazardous Waste Management, SCDHEC, concerning hazardous waste disposal at Sumter Inert (Copy attached).
32. Record of Communication dated October 22, 1987 between Lee Rawl, Solid Waste Permitting Section, Bureau of Solid and Hazardous Waste Management, SCDHEC and Helen McGill, Site Screening, SCDHEC concerning Sumter Inert Site (Copy attached).
33. Map of Sumter Inert Site showing rise/run for average slope of facility, average slope of terrain and distance to nearest surface water.
34. Record of Communication dated November 25, 1987 between Helen McGill, Site Screening, SCDHEC and Mac McCoy, McCoy Utilities concerning depth of trash at Sumter Inert Landfill (Copy attached).

## Analytical Services Data Sheet for Solid Waste and Hydrology

1

## Sample

Location Sumter Inert Landfill County Sumter

Sample Type	Monitoring well	Comments

Date 10/29/86 Collected by Blackmun, L.A.K. An "X" in the small column indicates test requested

An "X" in the small column indicates test requested

[illegible]

Date Received in Regional Laboratory

by \_\_\_\_\_

Date Released from Regional Laboratory

by \_\_\_\_\_ DEC 19 1966

Date Received in Central Laboratory 10/29/80

by 713 COMPLIANCE AND

**Date Released from Spec & A. A. Section**

by C. K. ROSENTHAL  
ENFORCEMENT DIVISION

Date Released from Metals Section

by H. H. Heng

DHEC 40-89 (01/81)

White - Program; Yellow - Program; Pink - Program; Gold - Lab

Charge To SW

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL  
Environmental Quality Control  
Analytical Services Data Sheet for Organic Compounds in Solid Waste and  
Hydrology Samples

Sample Location Sumter Inert Landfill County Sumter  
Sample Type monitoring well Comments \_\_\_\_\_  
Date 10/29/86 Collected By Blackmon, Lock An "X" in the small column indicates test requested.

Time Collected (Milit.)	1015			
Station No.	1			
Lab. No. <u>SW 87</u>	147			
Chlorinated hydrocarbons, µg/l				
Endrin, mg/l				
Lindane, mg/l				
Methoxychlor, mg/l				
Toxaphene, mg/l				
Organophosphates, µg/l				
PCBs, µg/l				
Other Volatile Organics	X	None Detected		

Comments \_\_\_\_\_

RECEIVED

DEC 12 1986

UNCOORDINATED  
PROTECTION DIVISION

Date Received in Regional Laboratory \_\_\_\_\_ By \_\_\_\_\_  
Date Released from Regional Laboratory \_\_\_\_\_ By \_\_\_\_\_  
Date Received in Central Laboratory 10/29/86 By JSZ  
Date Released from Organic Section 11/03/86 By JSZ

White--Program; Yellow--Program; Pink--Lab; Gold--Program

RECEIVED  
CONTROL

Microbiology 01 1981  
Office of Food & Quality Control  
Health & Env. Control

County *Suinter*

Comments *Sand Results to Ground-Water <sup>SP. CAP</sup> Protection Div*

Collected by Knox-Faller

An "X" in the small column indicates test requested

Time Collected (Milit.)	1115	1345				1345
Sample Point	B-2	M. Well 1			B-2	M. Well 1
Lab No.	H 177	178		H 177	178	
NH <sub>3</sub> -N, mg/l				Calcium		
NO <sub>3</sub> /NO <sub>2</sub> -N, mg/l				Magnesium		
TKN				Sodium		
Nitrite, N, mg/l				Potassium		
T-P,				Arsenic		
Hardness, mg/l				Barium		
Cl, mg/l	X 130	X 55		Cadmium	X 0.010	X 0.010
SO <sub>4</sub> mg/l				Chromium	X 0.15	X 0.10
Flashpoint, °F				Copper		
Solids, Total, mg/l				Iron	X 120	X 130
Solids, Tot. Diss, mg/l	X 390	X 910		Lead	X 0.85	X 0.22
Solids, %				Manganese		
pH				Mercury		
Alkalinity mg/l	X 23	X 800		Nickel		
Fluoride, mg/l				Selenium		
TOC	X 60	X 310		Silver		
Phenols, µg/l				Zinc		
COD						
Cyanide, mg/l					ng/l	ng/l
MBAS, mg/l				Remarks:		

Date Received in Regional Laboratory \_\_\_\_\_ by \_\_\_\_\_

Date Released from Regional Laboratory \_\_\_\_\_ by \_\_\_\_\_

Date Received in Central Laboratory 6-29-81 by \_\_\_\_\_

Date Released from Spec & A. A. Section 8/31/81 by

Date Released from Metals Section 8/3/81 by

# JAL CONTROL

Analytical Services Data Sheet for Organic Compounds in Solid Waste and Hydrology Samples

An "X" in the small column indicates test requested.

RECEIVED

~~SECRET~~

U.S. Dept. of Health & Env. Control

White - Program; Pink - Program; Yellow - Lab

Reference 2

# South Carolina Department of Health and Environmental Control

2600 Bull Street  
Columbia, S.C. 29201

Commissioner  
Michael D. Jarrett



## Board

Moses H. Clarkson, Jr., Chairman  
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Henry S. Jordan, M.D.  
James A. Spruill, Jr.  
Toney Graham, Jr. M.D.

## MEMORANDUM

TO: John Cresswell, Manager  
Site Screening Section  
Bureau of Solid and Hazardous Waste Management

FROM: Judy Canova, Hydrologist *JLC*  
Superfund and Solid Waste Section  
Bureau of Solid and Hazardous Waste Management

DATE: November 10, 1987

RE: Sumter Inert Landfill  
CERCLA Site SCD 981 474 729  
Sumter County

To appropriately evaluate Sumter Inert Landfill as a potential Superfund site based on the ground water route of the Hazardous Ranking System, the hydrogeology of the site and surrounding area has been assessed. This assessment was accomplished via records and publication searches in addition to an on-site inspection.

Sumter County Inert Landfill is located in the northern part of the Lower Coastal Plain physiographic region which is characterized by a sequence of marine and alluvial sediments resting on crystalline basement rock. Locally, sediments are approximately 800 feet thick (Park, 1980) and contain several aquifers.

Information on Sumter County is taken primarily from Park (1980). The deepest and principal aquifer, the Middendorf, is locally 300 to 400 feet thick. It consists of light colored, feldspathic, micaceous sands interbedded with clays. Most high yield wells in the area are screened in this aquifer including several wells owned by the city of Sumter. The Middendorf is separated from the overlying Black Creek Formation by multicolored clays.

The Black Creek is also used locally by the city of Sumter for water supply. It contains 400 to 500 feet of fossiliferous, fine-to-medium-grain light sands, and dark colored clays. Based on geophysical logs from six wells within the three mile site radius, a section of clay fifty to one-hundred feet thick rests on top or near the top of the Black Creek Formation in the Sumter area. Work done at Campbell's soup, about ten miles south of Sumter Inert, indicates the presence of this clay layer at that location also. The HRS user's manual states that two aquifers may be considered as a single hydrologic unit provided that site specific literature proves a discontinuity or absence in confining layers, or that well logs indicate discontinuity of a confining layer within the three mile radius of the site, or that contamination is discovered in the deeper aquifer within the three mile site radius. Based on HRS definition, the aquifers may be considered as not a single hydrologic unit.

Locally, the shallow aquifer is a mixture of Black Mingo, Duplin, and undifferentiated Pliocene, Pleistocene, and Recent alluvial deposits. It is 50 to 100 feet thick. Domestic wells in most of Sumter county are in this aquifer as are several unused municipal water wells (Park, 1980). Park states that the shallow wells owned by the city of Sumter are screened in the Duplin Formation or alluvial deposits. According to Colquhoun, et al., (1983), the Sumter area is a recharge area for the Black Mingo Formation.

On September 30, 1987, I participated in the CERCLA site inspection of the referenced site. A trench around the perimeter of the landfill revealed 2 to 3 feet of fine-grained, medium orange clayey sand with approximately 30% clay. Sediments of this type generally have a hydraulic conductivity of  $10^{-3}$  to  $10^{-5}$  (Freeze and Cherry, 1979).

The site was previously examined by Raymond Knox, SCDHEC geologist, in July, 1981. Based on auger borings, he estimated a seasonal high water table at 3 feet (memo, July 6, 1981). Depth to aquifer of concern is also 3 feet. Due to the shallow nature of the aquifer, it locally discharges into surrounding swamps and streams while it is recharged by precipitation. Based on topography, groundwater probably flows to the west southwest towards the Green Swamp and Pocataligo River. Groundwater in the western part of the area probably flows east to the Green Swamp and south to Savannah Creek.

Potential yield of wells in the shallow aquifer ranges from 144,000 to 645,000 gallons per day (Park, 1980). According to US Geological Survey and South Carolina Water Resources Commission Well Tabulations, shallow aquifer groundwater is used for domestic, irrigation, industrial, and public water supply within the three mile radius of the site.

Most of the wells in the three mile radius of the site are separated from the site by swamps. The HRS manual states that a discontinuity such as a fault or a body of water must entirely transect the aquifer in order for it to be considered valid. Therefore, the shallow, limited nature of the swamps and the thickness of the shallow aquifer precludes the swamp from being a discontinuity.



The private well nearest to the site is approximately 0.38 miles to the west of the site. (Figure 1). There is one 700 feet deep well owned by the city of Sumter (23 p-W1, SUM-0065) 1.7 miles northwest of the site that has screens in the shallow aquifer and two screens in deeper aquifers (SC WRC and USGS Well Tabulations) (Figure 1).

### References Cited

Colquhoun, D.J., et al., 1983 Surface and Subsurface Stratigraphy, Structure, and Aquifers of the South Carolina Coastal Plain: University of South Carolina, Dept. of Geology, 78 p.

Freeze, R.A., and Cherry, J.A., 1979, Groundwater: Prentice Hall, New Jersey, 604 p.

Knox, R.L., Geologist, SCDHEC, 1981, Memo to Capers Dixon, July 6, regarding Sumter County Inert Landfill.

Park, A.D., 1980, The ground-water resources of Sumter and Florence Counties, South Carolina: SC Water Resources Commission Report #133, 43 p.

Uncontrolled Hazardous Waste Site Ranking System, A Users Manual; "Federal Register", Vol. 47, no. 137, July 16, 1982 or 40 CFR Part 300, Appendix A.

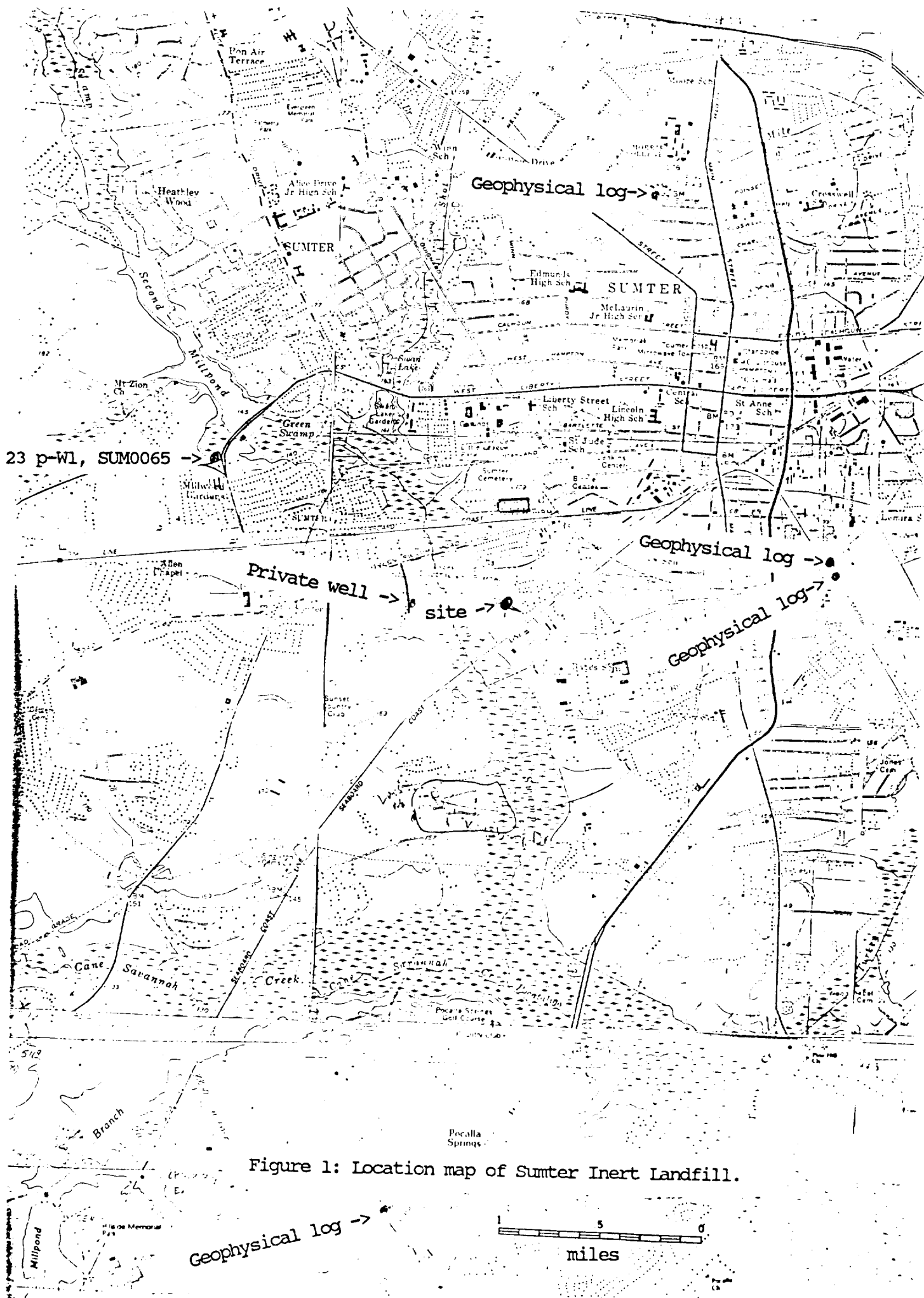


Figure 1: Location map of Sumter Inert Landfill.

South Carolina  
Department of  
Health and  
Environmental  
Control

Reference 3

BOARD  
William M. Wilson, Chairman  
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COMMISSIONER  
Robert S. Jackson, M.D.  
2600 Bull Street  
Columbia, S. C. 29201

M E M O R A N D U M

TO: Capers Dixon  
Solid and Hazardous Waste Consultant  
Wateree District

FROM: Raymond L. Knox, Geologist  
Ground-Water Protection Division

RE: Sumter County Inert Landfill  
Cooks Street, Sumter  
Sumter County

DATE: July 6, 1981

In response to your April 27, 1981 memo to Don Duncan, a preliminary hydrogeological evaluation of past disposal practices was made at the referenced facility on June 27, 1981. Present during the evaluation were Bob Faller, geologic technician, yourself, and the writer. On August 4, 1977, this Division installed one ground-water monitoring well at the site with a screen setting of 13-16 feet. No driller's logs are available for the well.

The site is located in the upper Lower Coastal Plain physiographic region. Sediments at the landfill are alluvial sands and clayey sands, recent to Pleistocene in age. A major portion of the site is in the floodplain of Green Swamp. A smaller portion is in an abandoned borrow pit. Two creeks border the landfill, Sooks Branch to the N-NW and Green Swamp to the W-SW (see site location map). Refuse has been placed immediately adjacent to the banks of the two creeks.

Numerous attempts to hand auger holes were made, but the widespread distribution of buried waste made this difficult. Two borings were completed adjacent to Green Swamp (see attached boring logs and site map). B-1 did not encounter the water table at six feet, but soil colors indicating a seasonal high water table at three feet were present. B-2 encountered the water table at approximately three feet. A chemical odor was evident on both borings indicating that chemical waste disposal has taken place as has been reported. During construction of a sewer line through the landfill, drums were excavated and strong fumes reported (your letter to James B. Wall, October 27, 1980) which also points to chemical waste disposal.

Ground-water samples were collected from B-2 and the existing monitoring well. It was noted that the ground has settled around the existing monitoring well creating the potential for surface runoff to enter the well. This well should be properly grouted and sealed.

Page 2

Memo to Capers Dixon  
Wateree District

Re: Sumter County Inert Landfill

Date: July 6, 1981

The site is inadequately monitored to assess ground-water conditions. At least three additional monitoring wells and possibly well pairs should be installed. Any contaminated ground water at the site is probably localized and will most likely discharge to Sooks Branch and/or Green Swamp. There does not appear to be a hazard to the City of Sumter well referred to in your April 27, 1981 memo. Additional recommendations may be made after review of analytical results.

RK/jj

Attachments

cc: Jack Kendall  
Division of Engineering and Program Development

Russ Sherer  
Division of Biological and Special Services

# SOIL BORING LOG

Location: Cooks Street Inert Landfill

Date: June 29, 1981

B-1

County: Sumter

Latitude: \_\_\_\_\_

Longitude: \_\_\_\_\_

Elevation: \_\_\_\_\_

Total depth: 6'

Water table: Approx. 3'

Logged by: Knox

Seasonal high water table (estimate): Approx. 3'

Depth		Description
cm	ft	
		Yellow to white slightly clayey sand
30	1	
60	2	
90	3	Gray to white mottled clayey sand - some chemical odor
120	4	
150	5	
180	6	Black discolored clayey fine sand - slight odor - moist but not saturated.

# SOIL BORING LOG

Location: Cooks Street Inert Landfill Date: June 29, 1981  
B-2

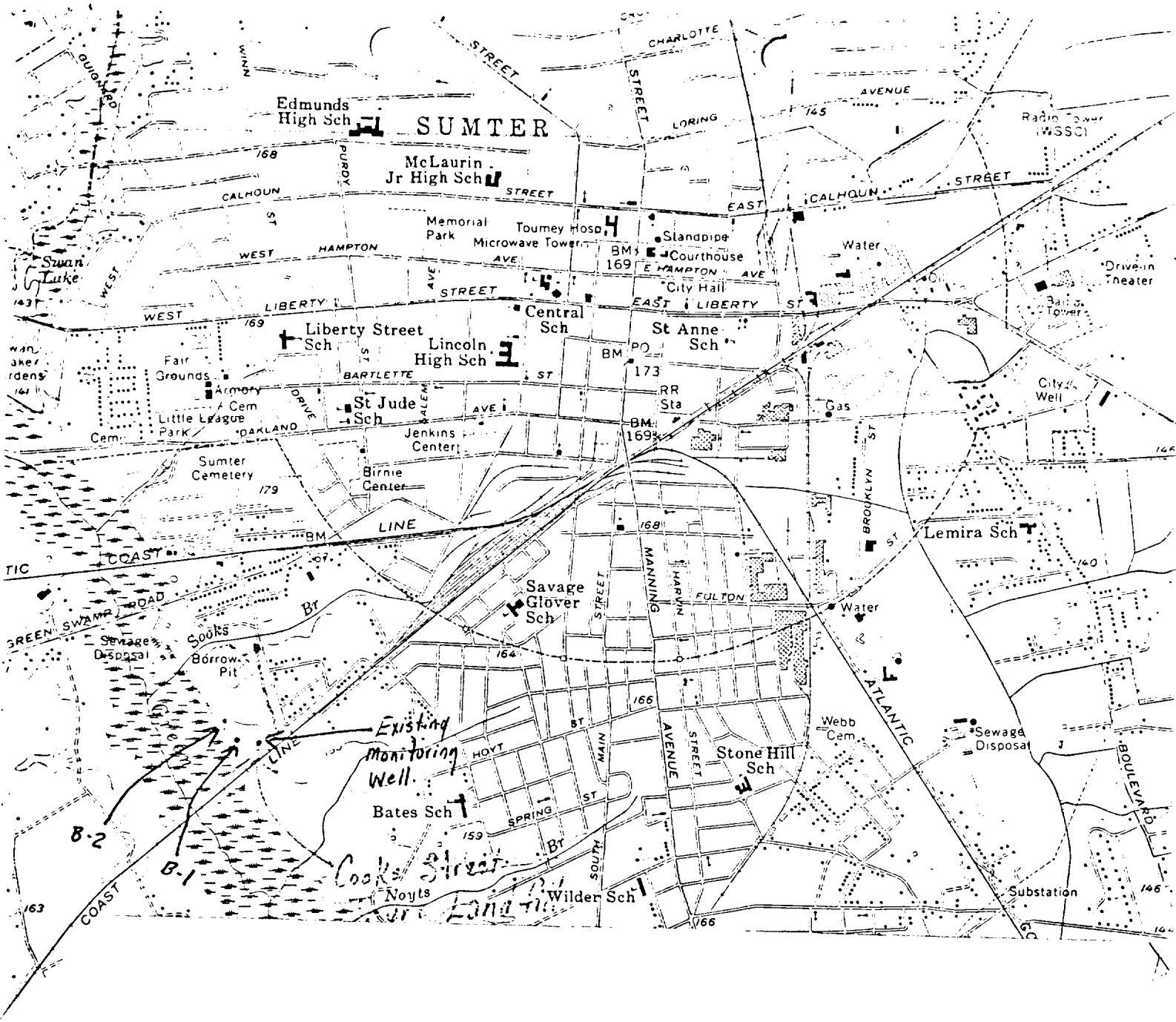
County: Sumter Latitude: \_\_\_\_\_ Longitude: \_\_\_\_\_

Elevation: \_\_\_\_\_ Total depth: 6' Water table: Approx. 3'

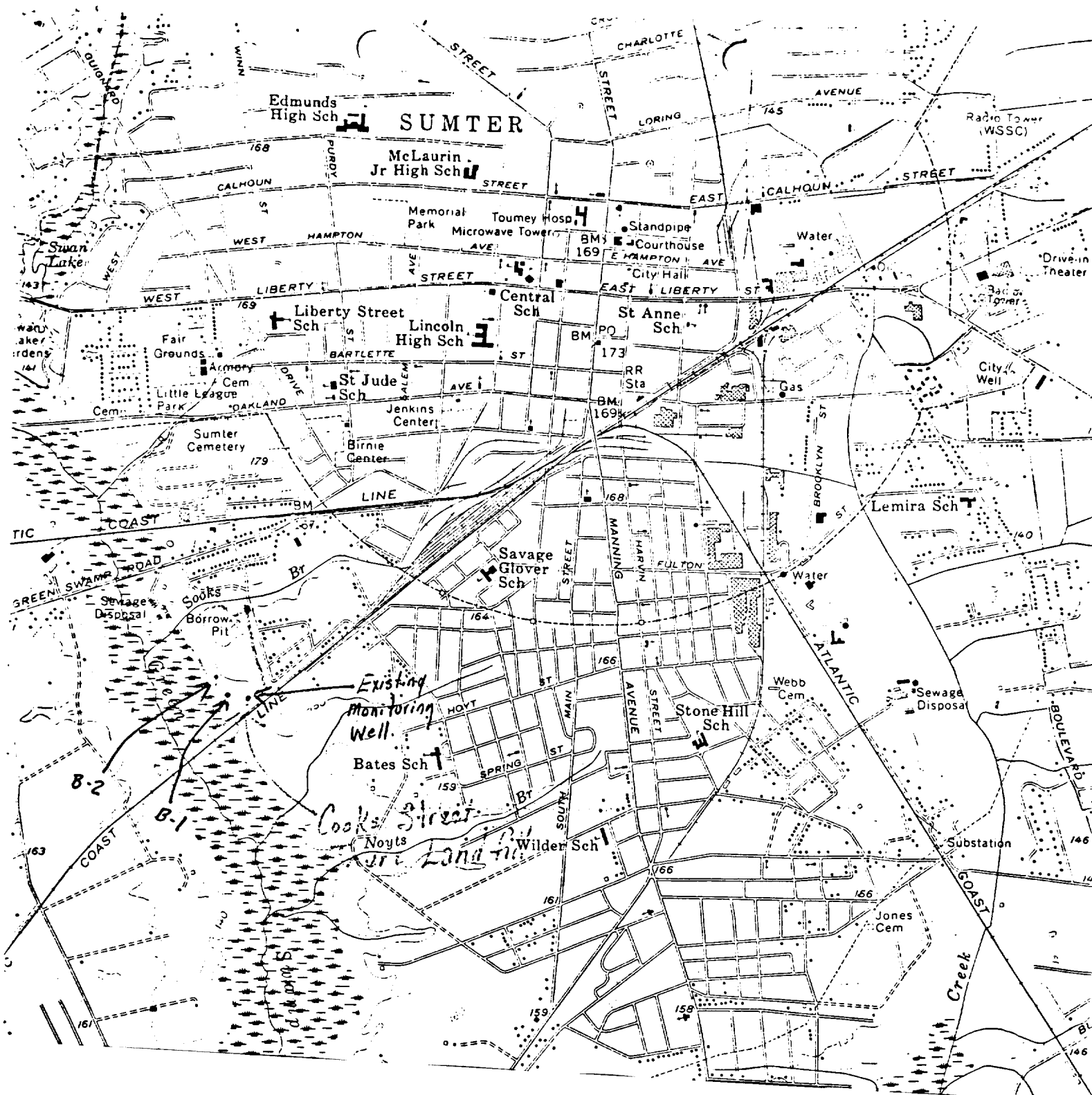
Logged by: Approx. 3'

Seasonal high water table (estimate): \_\_\_\_\_

Depth		Description
cm	ft	
30	1	Dark grey sand and clay (fill material) building debris - stone.
60	2	Lt. tan sand grading to black clayey sand at 5 feet. Chemical odor (solvent).
90	3	
120	4	
150	5	Black clayey sand - HS <sub>2</sub> odor.
180	6	







Edmunds High Sch

SUMTER

McLaurin Jr High Sch

Memorial Park  
Microwave Tower

Standpipe  
Courthouse  
City Hall

Liberty Street Sch

Lincoln High Sch

Central Sch

St Anne Sch

St Jude Sch

Jenkins Center

Birnie Center

Savage Glover Sch

Stone Hill Sch

Bates Sch

Wilder Sch

Lemira Sch

Cook's Street

Noy's Land

Existing Monitoring Well

Sewage Disposal

Substation

Jones Cem

Webb Cem

Creek

GOAST

ATLANTIC

MANNING STREET

HOYT STREET

SPRING ST

BR

BR

BR

BR

BR

BR

BR

BR

BR

BR

BR

GOAST

Creek

ATLANTIC

MANNING STREET

HOYT STREET

SPRING ST

BR

BR

BR

BR

BR

BR

BR

BR

BR

BR

BR

Reference 4

RECORD OF COMMUNICATION		<input type="checkbox"/> PHONE CALL <input checked="" type="checkbox"/> DISCUSSION <input type="checkbox"/> FIELD TRIP <input type="checkbox"/> CONFERENCE <input type="checkbox"/> OTHER (SPECIFY)	
		(Record of item checked above)	
TO: Capers Dixon Wateree District	FROM: Helen McGill Site Screening Setion SCDHEC	DATE Oct 19, 1987	TIME 10:40
SUBJECT Sumter Inert physical characteristics			
SUMMARY OF COMMUNICATION <p>According to Capers Dixon, Wateree District, Sumter Inert Landfill has very inadequate cover ranging from 6 inches to less than 2 feet. This landfill also is not lined nor has a leachate collection system.</p> <p>Infact, Sumter Inert Landfill, prior to 1974-present has had no cover up to 90% of the time according to Capers Dixon. He's observed over the years that it's been a hit and mix effort to keep the landfill covered. It's a frequent occurrence to see uncovered trash and wastes.</p>			
CONCLUSIONS, ACTION TAKEN OR REQUIRED			
INFORMATION COPIES TO:			

Reference, 6

# South Carolina Department of Health and Environmental Control

2600 Bull Street  
Columbia, S.C. 29201

Commissioner  
Michael D. Jarrett



November 10, 1987

## Board

Moses H. Clarkson, Jr., Chairman  
Oren L. Brady, Jr., Vice-Chairman  
Euta M. Colvin, M.D., Secretary  
Harry M. Hallman, Jr.  
Henry S. Jordan, M.D.  
James A. Spruill, Jr.  
Toney Graham, M.D.

## MEMORANDUM

# RECEIVED

To: Sumter Inert Landfill File  
Sumter County

From: R. Lewis Shaw, P.E. *R. Lewis Shaw*  
Deputy Commissioner  
Environmental Quality Control

Subject: Chemical Waste Dumping - 1972

NOV 12 1987

S.C. Dept. of Health & Environmental  
Control-Bureau of Solid & Hazardous  
Waste Management

This is written at the request of Helen McGill and John Cresswell of the Solid and Hazardous Waste Bureau. From March 1971, until August 1974, I worked for DHEC as the District Director of EQC's Wateree District in Sumter. In the performance of my routine duties, I often visited the Sumter Dump now known as the Sumter Inert Landfill. On a number of occasions, I recall seeing a large (approximately 15' x 30'), shallow pool of pea-green liquid which was allowed to seep and/or evaporate. In my opinion, the waste came from Santee Print as it had the same characteristic odor and color of waste which I had observed coming from Santee Print and discharging to a large ditch near the Plant. On one occasion, I recall being at the Sumter Dump when an unmarked tank truck (approximately 8000 gallons) came to the site. The driver of the truck connected a hose to the tanker and proceeded to dump the contents of the truck into the make-shift lagoon. The waste was the same characteristic of waste I described earlier. I would estimate the time frame of my observations to be 1972. I have identified the approximate location of the waste lagoon to Helen McGill and John Cresswell on a map of the site.

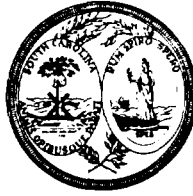
RLS/skb

Reference 8

# South Carolina Department of Health and Environmental Control

2600 Bull Street  
Columbia, S.C. 29201

Commissioner  
Michael D. Jarrett



Board  
Moses H. Clarkson, Jr., Chairman  
Oren L. Brady, Jr., Vice-Chairman  
Euta M. Colvin, M.D., Secretary  
Harry M. Hallman, Jr.  
Henry S. Jordan, M.D.  
James A. Spruill, Jr.  
Toney Graham, Jr. M.D.

## MEMORANDUM

TO: Sumter Inert File

FROM: Helen J. McGill  
Site Screening Section  
Bureau of Solid and Hazardous Waste Management

RE: Site Inspection Trip Report and Sampling Scheme

DATE: November 2, 1987

On September 30, 1987, a CERCLA screening site inspection and sampling was conducted at the Sumter Inert Site in Sumter County. John Cain, Charlie Strange, Gerald Stewart, Craig Dukes, Judy Canova and the unit conducted the site inspection. We were met at the site by Mark Blackmon, Water... that we would... ty to split sam... the premises. ren't sure if th... ntly, they did n...

One minor... this was a scree... much care was t... cted various org... ator to help det... ling location was... had been that we... int dyes.

*For SSI > more than 1 sample can be taken*

The following

... rationale.

<u>Sample Type</u>	<u>(number)</u>	<u>Location</u>	<u>Rationale</u>
Sediment vertical composite	SI-1	Lower Southwestern	Determine degree of contamination present

Refer to attachments for site layout (Attachment 1) and actual sample location.

The soil samples will be analyzed for Ar, Ba, Cd, Cr, Pb, Mn, HG, Ni, Se, Zn, Volatile Organics and Base Neutral Acid Extractables, Organophosphates, PCB's, Chlorinated Hydrocarbons, Endrin, Lindane, Methoxychlor, Toxaphene, Phenols and Pesticides.

Sumter Inert File  
November 2, 1987  
Page 2

During the latter part of the afternoon, Capers Dixon, Judy Canova and the writer went in search of potential private well owners in the nearby landfill vicinity. (It was my understanding from speaking with Ed Davis, Sumter Public Works that as of three years ago most residents had access to city water. The city water is a public groundwater system.) It appeared that National Street residents were all private well owners. Martha Farmer, National Street resident, was interviewed by us and confirmed this information. Enclosed is a map of the street location (Attachment 2) and a sketch of National Street neighborhood (Attachment 3).

Capers Dixon and the writer interviewed several other people in the landfill vicinity including warehouse owner on Prince Street who stated that all area residents were on city water. The information to date from Sumter Public Works is that only National Street, Carver Street and McDuffie Street residents have private wells (within our 3 mile radius).

HJM:elf

Attachments



Tree line

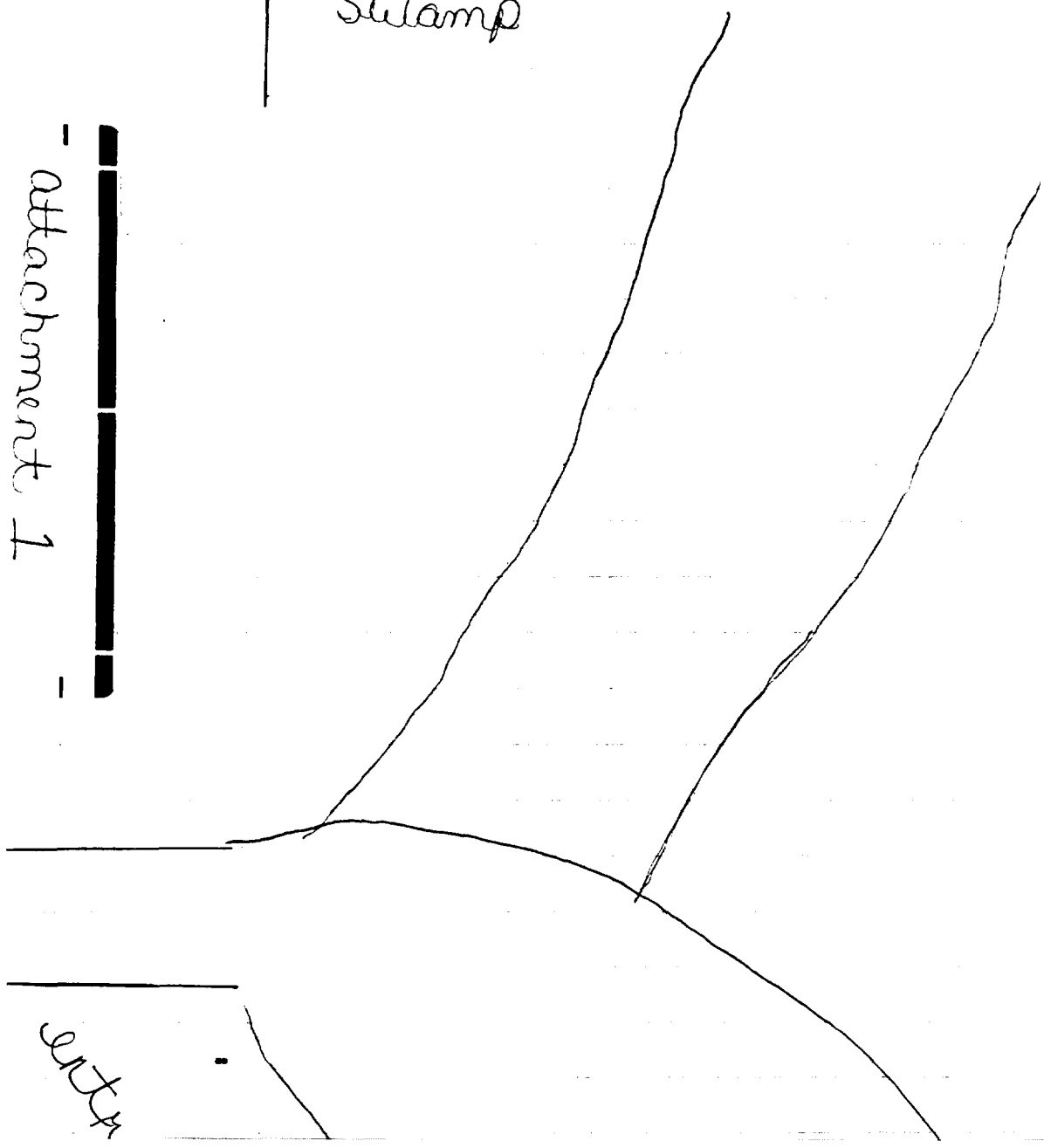
\* worked  
August

Swamp



- attachment 1 -

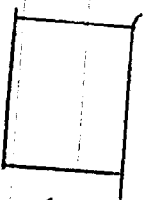
entr



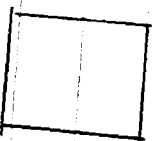
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Road end

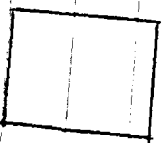
National Street



586  
national



589  
national



572  
national  
Hannay  
working

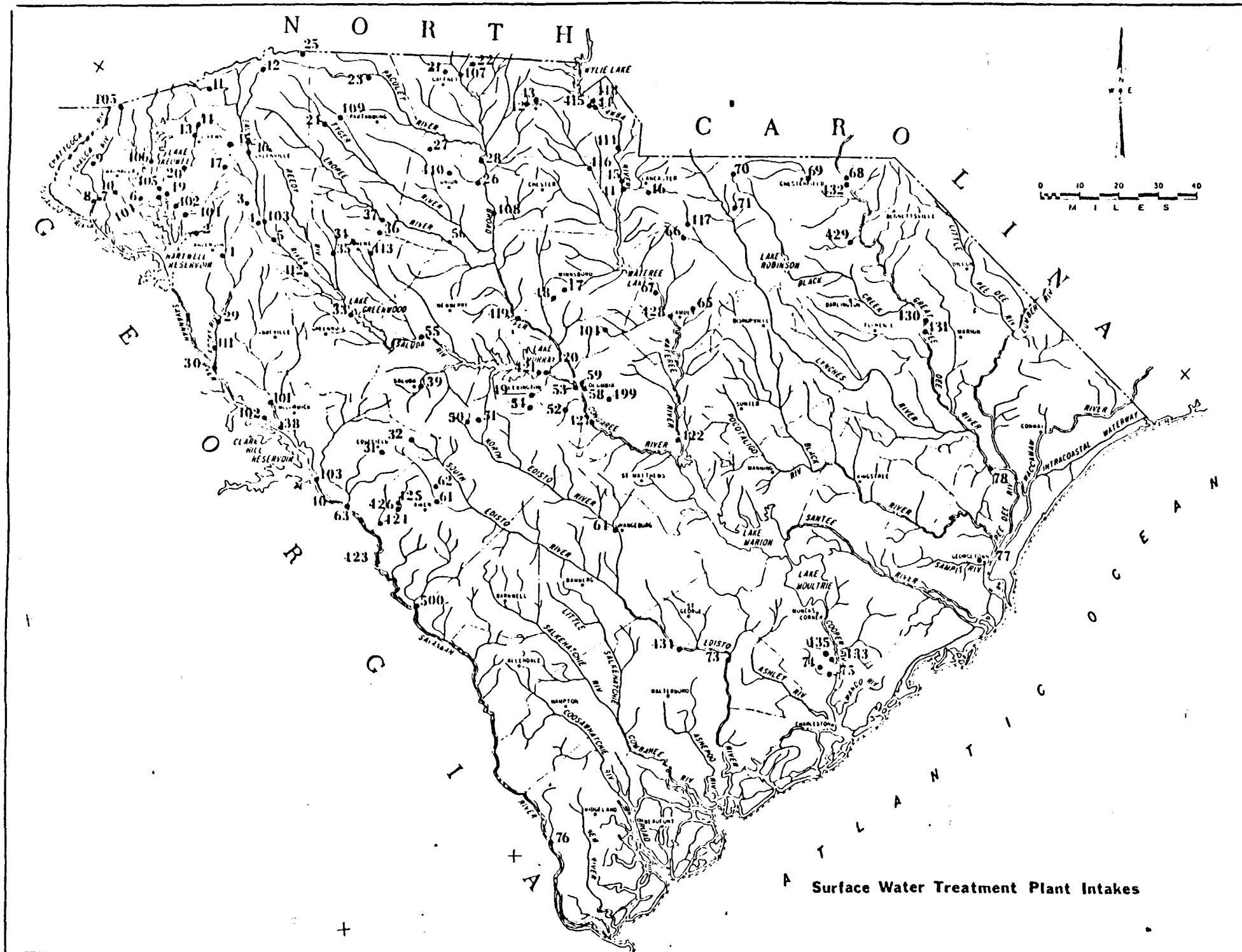


Keter



571





Surface Water Treatment Plant Intakes

Reference 10

**SURFACE WATER TREATMENT PLANT INTAKES**  
(By Number)

**I. MUNICIPAL**

1. Anderson - Rocky River (Stand-by)
2. Anderson - Hartwell Reservoir
3. Williamston - Big Creek
4. Williamston - Camp Creek
5. Belton Honea Path - Saluda River
6. Seneca - Keowee Lake
7. Westminster - Ramsey Creek
8. Westminster - Chauga River
9. Walhalla - Walhalla Reservoir
10. Walhalla - Concession Creek
11. Greenville - North Saluda Reservoir
12. Greenville - Table Rock Reservoir (South Saluda)
13. Pickens - Twelve Mile Creek
14. Pickens - Haygood Creek
15. Easley - Burdine Creek
16. Easley - Saluda River
17. Liberty - Eighteen Mile Creek
18. Delete
19. Clemson University - Hartwell Reservoir
20. Easley Norris W.D. - Twelve Mile Creek
21. Gaffney - Lake Weichel
22. Blacksburg - Buffalo Creek
23. Spartanburg - South Facelet River
24. Greer - South Tyger River
25. Landrum - Vaughn's Creek
26. Union - Broad River
27. Jonesville - Rochester Lake
28. Lockhart - Broad River
29. Abbeville - Rocky River
30. Calhoun Falls - Savannah River
31. Edgefield - Slade Lake (Stand-by)
32. Johnston - First Branch Impoundment (Stand-by)
33. Greenwood - Lake Greenwood
34. Laurens - Ready Fork Creek
35. Laurens - Rahon Creek
36. Clinton - Duncan Creek
37. Clinton - Enoree River
38. McCormick - Clarke Hill Reservoir
39. Saluda - Red Bank Creek (Stand-by)
40. Edgefield Co. W & S Auth. - Savannah River
41. Lancaster - Catawba River
42. York - Cardwell Lake (Turkey Creek)
43. York - One City Reservoir
44. Rock Hill - Catawba River
45. Cheaterfield W.D. - Catawba River
46. Lancaster Co. W & S Dist. - Bear Creek
47. Winnsboro - Campbell Creek
48. Winnsboro - 192 Acre Lake
49. Lexington - Twelve Mile Creek
50. Batesburg - Lightwood Knot Creek

51. Batesburg - Duncan Creek
52. Cayce - Congaree Creek
53. West Columbia - Saluda River
54. Red Bank - Mill Pond (Red Bank Creek)
55. Newberry - Saluda River
56. Whittemore - Enoree River
57. Delete
58. Columbia - Lower Broad River
59. Columbia - Broad River Canal
60. Delete
61. Aiken - Shaws Creek
62. Aiken - Shiloh Springs
63. North Augusta - Savannah River
64. Orangeburg - North Edisto River
65. Camden - Pine Tree Creek
66. Kershaw - Hanging Rock Creek
67. Lugoff W.D. - Lake Wateree
68. Cheraw - Pee Dee River
69. Chesterfield - Thompson Creek
70. Pageland - Big Black Creek
71. Jefferson - Lynches River
72. Delete
73. Charleston, Summerville - Edisto River
74. Charleston - Foster Creek
75. Charleston - Goose Creek Reservoir
76. Beaufort - Jasper Water Auth. - Savannah River
77. Georgetown - International Paper Co. Canal
78. International Paper Co. Canal (Pee Dee River)

**II. SCHOOLS, CAMPS, PARKS**

101. John De La Howe School - Little River
102. Hickory Knob State Park - Clarke Hill Reservoir
103. Clarke Hill Rec. Complex - Clarke Hill Reservoir
104. Columbia Country Club - Lake Columbia - Rice Creek
105. Chattooga Park - Mountain Stream

**III. INDUSTRIAL**

401. La France (Reigel Textile) - Three & Twenty Creek
402. Pendleton Finishing (formerly Excelmar)
403. Duke Lee Steam Generating Station - Saluda River
404. J.P. Stevens Utica Mohawk - Seneca River
405. DeFore Mill - Seneca River
406. Oconee Nuclear Station - Keowee Lake
407. Magnolia Finishing - Buffalo Creek
408. Carlisle Finishing - Broad River
409. Lyman Printing - Middle Tyger River.

410. Union Buffalo - Buffalo Creek (Stand-by)
411. Bigelow Sanford (Calhoun Falls) - Rocky River
412. Reigel Textile (Ware Shoals) - Saluda River
413. Clinton Mills - Beards Fork Creek
414. Bowaters Carolina - Catawba River
415. Celanese Fibers (Rock Hill) - Catawba River
416. Lando (Monetta Mills) - Fishing Creek
417. Springs Kershaw - Lynches Creek
418. Springs Fort Hill - Catawba River
419. SCE&G Farr-Broad River
420. General Electric - Saluda River
421. SCE&G McNeckin - Lake Murray
422. SCE&G Wateree - Wateree River
423. SCE&G Beech Island - Savannah River
424. Clearwater Finishing - Little Horse Creek
425. Graniteville Company - Horse Creek
426. Graniteville Company - Bridge Creek
427. Carolina Eastman - Congaree River
428. E.I. DuPont Co. - Wateree River
429. Klopman Mills (Society Hill) - Cedar Creek
430. E.I. DuPont Co. (Florence) - Pee Dee River
431. S.C. Industries - Pee Dee River
432. J.P. Stevens Co. (Delta Finishing Plant, Wallace) - Pee Dee River
433. SCE&G Williams - Back River
434. SCE&G Canadya - Edisto River
435. Amoco Chemicals - Back River

**IV. FEDERAL INSTALLATIONS**

499. Fort Jackson - Gill's Creek
500. Savannah River Plant (AEC) - Savannah River

**OVERSIZED**

**DOCUMENT**

Reference 13

RECORD OF COMMUNICATION		<input checked="" type="checkbox"/> PHONE CALL <input checked="" type="checkbox"/> DISCUSSION <input type="checkbox"/> FIELD TRIP <input type="checkbox"/> CONFERENCE <input type="checkbox"/> OTHER (SPECIFY)	
		(Record of item checked above)	
TO: Hillard Harvey Clemson Ext. Agent Sumter, SC	FROM: Helen McGill Site Screening Section SCDHEC	DATE Oct. 11, 1987	TIME 1:30
SUBJECT Irrigation Wells			
SUMMARY OF COMMUNICATION  Hillard Harvey, Clemson Extension Agent had no information for irrigation wells in the Sumter area. He suggested I call Benny Altman, Irrigation Equipment, for the information.  Benny Altman 469-5347 (wk) 469-3298 (hm)			
CONCLUSIONS, ACTION TAKEN OR REQUIRED			
INFORMATION COPIES TO:			

RECORD OF COMMUNICATION	<input checked="" type="checkbox"/> PHONE CALL <input type="checkbox"/> DISCUSSION <input type="checkbox"/> FIELD TRIP <input type="checkbox"/> CONFERENCE <input type="checkbox"/> OTHER (SPECIFY) (Record of item checked above)	
TO: Benny Altman Irrigation Equipment Sumter, SC	FROM: Helen McGill Site Screening Section (SCDHEC)	DATE 10/11/87 TIME 2:00
SUBJECT Irrigation wells in 3 mile vicinity of Sumter Inert Site.		
<p>SUMMARY OF COMMUNICATION</p> <p>According to Mr. Benny Altman, there aren't any irrigation wells used to water crops within the three mile radius of the Sumter Inert Site. There exists approximately 200-300 irrigation wells (private) used to water gardons, lawns, etc. Within the three mile radius of the site.</p>		
<p>CONCLUSIONS, ACTION TAKEN OR REQUIRED</p> <p>Benny Altman Phone: 469-5347 (wk) 469-3298 (hm)</p>		
<p>INFORMATION COPIES</p> <p>TO:</p>		

34  
South Carolina  
Department of  
Health and  
Environmental  
Control

Memorandum

To: Robert Eaddy, Supervisor  
Florence Regional Laboratory

From: Mike Marcus *MM*  
Stream and Facility Monitoring

Subject: Sediment Sampling in Green Swamp  
Sumter County

Date: June 30, 1982

*approval*  
*7-1-82*  
*Neil M. Hurley*  
*SQAMO*

*Reference 15*

BOARD

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COMMISSIONER

Robert S. Jackson, M.D.  
2600 Bull Street  
Columbia, S.C. 29201

"Several questions have previously been raised concerning the possibility of leachate from the Sumter County landfill reaching Green Swamp/Pocotaligo Swamp and impacting trees in the main channel of the swamp. In the past, Santee Print Works deposited dye wastes and industrial chemicals in an unlined lagoon in the landfill.

In order to begin the first phase of this investigation, sediment samples will be collected from the part of Green Swamp contiguous to the landfill. These samples will be collected as cores and then assayed for a variety of physical and chemical parameters in an attempt to find any evidence that the waste material moved from the landfill into the swamp. A control station will be sampled and analyzed in the same manner.

A. Survey Area

The attached map outlines the general location of the Sumter County landfill in relation to Green Swamp. The specific sampling stations will be selected once on site.

B. Sampling Protocol

Core samples will be collected from Green Swamp around the Sumter County landfill and a control station and analyzed for:

pH  
o/o Volatile Solids  
Heavy metals - cadmium, chromium, copper, nickel, mercury,  
zinc, manganese, lead  
Petroleum hydrocarbons

Memorandum to Robert Eaddy

Page 2

June 30, 1982

C. Total Samples

Florence Regional Laboratory

10 pH  
10 o/o Volatile solids  
10 petroleum hydrocarbons

Columbia Inorganic Laboratory

10 Heavy metals - Cd, Cr, Cu, Ni, Hg, Zn, Mn,  
Pb

D. Discussion

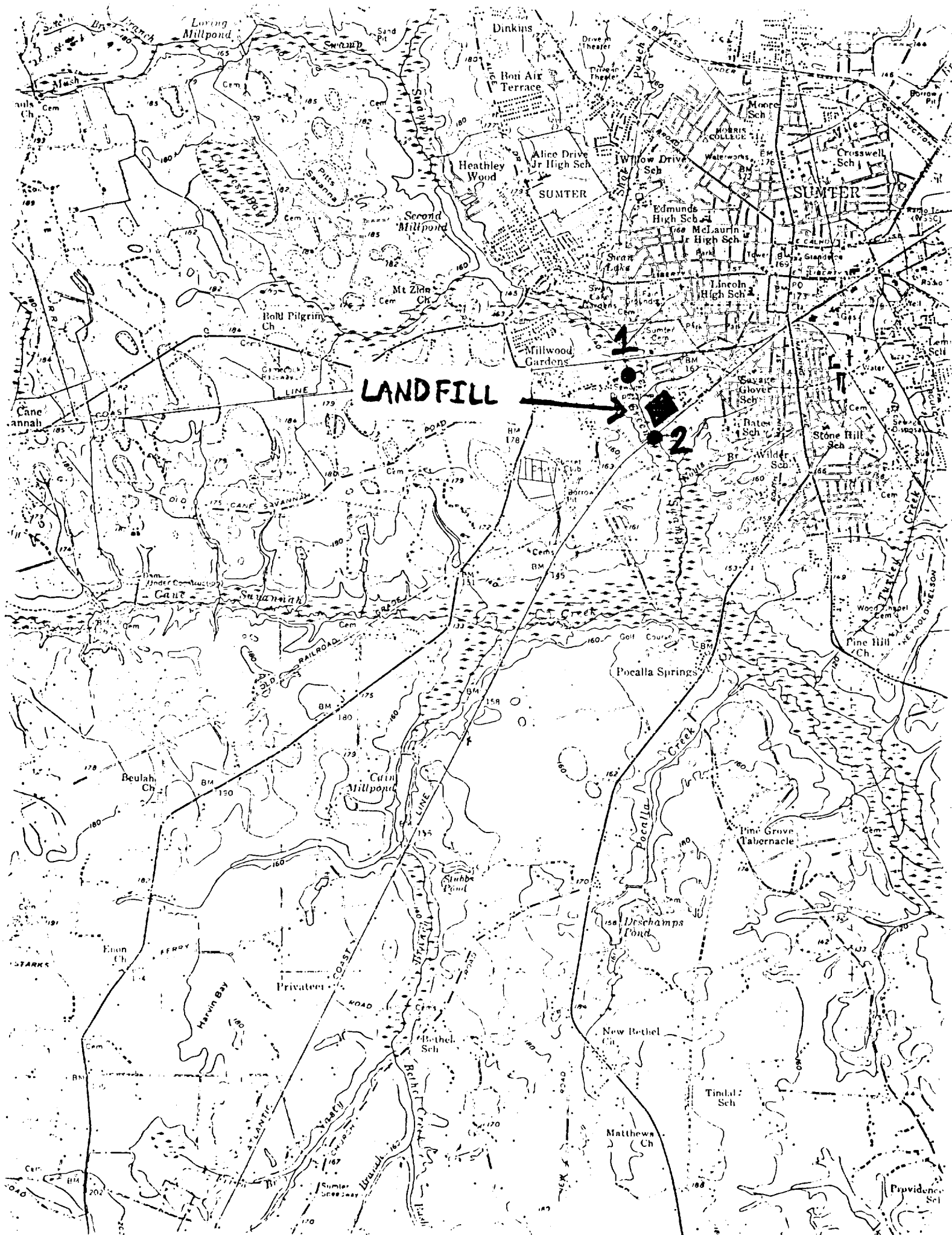
1. All equipment and sample containers will be furnished by the Stream and Facility Monitoring Section.
2. Personnel from the Stream and Facility Monitoring Section will be present to conduct the sampling. Since this work will coincide with the 3560 inspections and water quality assessment of the Pocotaligo system conducted by Florence personnel, these sediments will be transported to the Florence Laboratory along with the other survey samples.
3. Rain prior to or during the sampling will not require postponement of this work unless the stream has become too deep for wading.
4. All samples will be shipped to the Florence Regional Laboratory from the survey site. After obtaining the amount of sediment necessary for the pH, volatile solids and petroleum hydrocarbons analyses, the remainder of the sample will be shipped to the Columbia Inorganic Laboratory for the heavy metals analyses.
5. All sampling procedures and field analyses will conform to all applicable sections in The Standard Operating Procedures Manual and Quality Assurance Procedures Plan, (SCDHEC). All laboratory analyses will be in accordance with Procedures and Quality Control Manual for Chemistry Laboratories, (SCDHEC).

If you have any questions, please contact me.

MM/al

cc: Noel Hurley  
Tom Kurimcak  
Alfreda Mouchet  
Capers Dixon thru Mark Blackmon  
Section Study File

attachment





SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL  
Bureau of Field and Analytical Services  
Analytical Services Data Sheet for Sediment Samples

TYPE: Primary ( ) Secondary ( ) Special (X) County Santa Cruz  
If Special, Name of Study Brook Swamp Basin Pae Dae  
Date 2-1-82 Collected By Mike Morgan District Waterloo

Station No.		#1	#2
Lab No.		74	75
Time Collected		1115	1130
pH	70310		
% Moisture	70320		
% Volatile Solids	70322		
Oil & Grease mg/kg	00557 Freon		
COD mg/kg	00339		
TKN mg/kg **	00626		
T-P mg/kg	00668		
As mg/kg	01003		
Cd mg/kg	01028	X <1.0	X <1.0
Cr mg/kg	01029	X <5.0	X 5.0
Cu mg/kg	01043	X <5.0	X 17
Hg mg/kg	71921	X <0.25	X <0.25
Mn mg/kg	01053	X 8.0	X 74
Ni mg/kg	01068	X <5.0	X <5.0
Pb mg/kg	01052	X 12	X 21
Zn mg/kg	01093	X 5.0	X 24

An "X" in the small column indicates test requested.

Date Released from Regional Laboratory 7/26/82 By Robert Lane  
Received in Central Laboratory By CFS Date Received 7-27-82  
Date Released from Analytical Services Central Laboratory 12-21-82  
Released By A. J. J. J. J.

BF&AS:14

White-Central Office; Canary-ASD Central Lab; Pink-District Office

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL  
Bureau of Field and Analytical Services  
Analytical Services Data Sheet for Sediment Samples

TYPE: Primary ( ) Secondary ( ) Special ☒ County SUMTER

If Special, Name of Study GREEN SWAMP Basin PEE DEE

Date 7/8/82 Collected By MIKE MARCHE District WATERFEE

Station No.		#1	#2
Lab No.		74	75
Time Collected		1115	1130
pH	70310	5.4	5.0
% Moisture	70320		
% Volatile Solids	70322	22.7	17.7
Oil & Grease mg/kg	00557 Freon		
COD mg/kg	00339		
<del>Hydrocarbons</del>		3.77	4.73
TKN mg/kg	00626		
T-P mg/kg	00668		
As mg/kg	01003		
Cd mg/kg	01028		
Cr mg/kg	01029		
Cu mg/kg	01043		
Hg mg/kg	71921		
Mn mg/kg	01053		
Ni mg/kg	01068		
Pb mg/kg	01052		
Zn mg/kg	01093		

An "X" in the small column indicates test requested.

Date Released from Regional Laboratory 7/29/82 By R. J. H. H. H.

Received in Central Laboratory By \_\_\_\_\_ Date Received \_\_\_\_\_

Date Released from Analytical Services Central Laboratory

Released By

BF&AS:14

White-Central Office; Canary-ASD Central Lab; Pink-District Office

# South Carolina Department of Health and Environmental Control

2600 Bull Street  
Columbia, S.C. 29201

Commissioner  
Robert S. Jackson, M.D.



Board  
Moses H. Clarkson, Jr., Chairman  
Leonard W. Douglas, M.D., Vice-Chairman  
Barbara P. Nuessle, Secretary  
Gerald A. Kaynard  
Oren L. Brady, Jr.  
James A. Spruill, Jr.

## MEMORANDUM

TO: Chris Lock  
Solid & Hazardous Waste-Waterree District

FROM: Mike Marcus *Mike Marcus*  
Stream and Facility Monitoring

SUBJECT: Chemical Analyses from Green Swamp  
Sumter County

DATE: December 19, 1983

RECEIVED 12 22 83

Per our phone conversation of last week, you will find the results of chemical analyses conducted on sediment samples collected from two stations in Green Swamp on July 7, 1982. The samples were collected with a hand corer and reflect the sediment layer approximately three feet underneath the water/sediment interface.

### A. Station Locations (see attached map)

Station 01 - Green Swamp downstream from Seaboard Coastline Railroad trestle near the left edge of water in a large natural pooled area.

Station 02 - Green Swamp shortly upstream from the Seaboard Coastline Railroad trestle near the left edge of water.

### B. Analytical Results

Parameter	Station 01	Station 02
pH, SU	5.4	5.0
% volatile solids	22.7	17.7
Petroleum hydrocarbons, mg/kg	377	673
Cadmium, mg/kg	<1.0	<1.0
Chromium, mg/kg	<5.0	5.0
Copper, mg/kg	<5.0	17
Mercury, mg/kg	<0.25	<0.25
Manganese, mg/kg	8.0	14
Nickel, mg/kg	<5.0	<5.0
Lead, mg/kg	12	21
Zinc, mg/kg	5.0	24

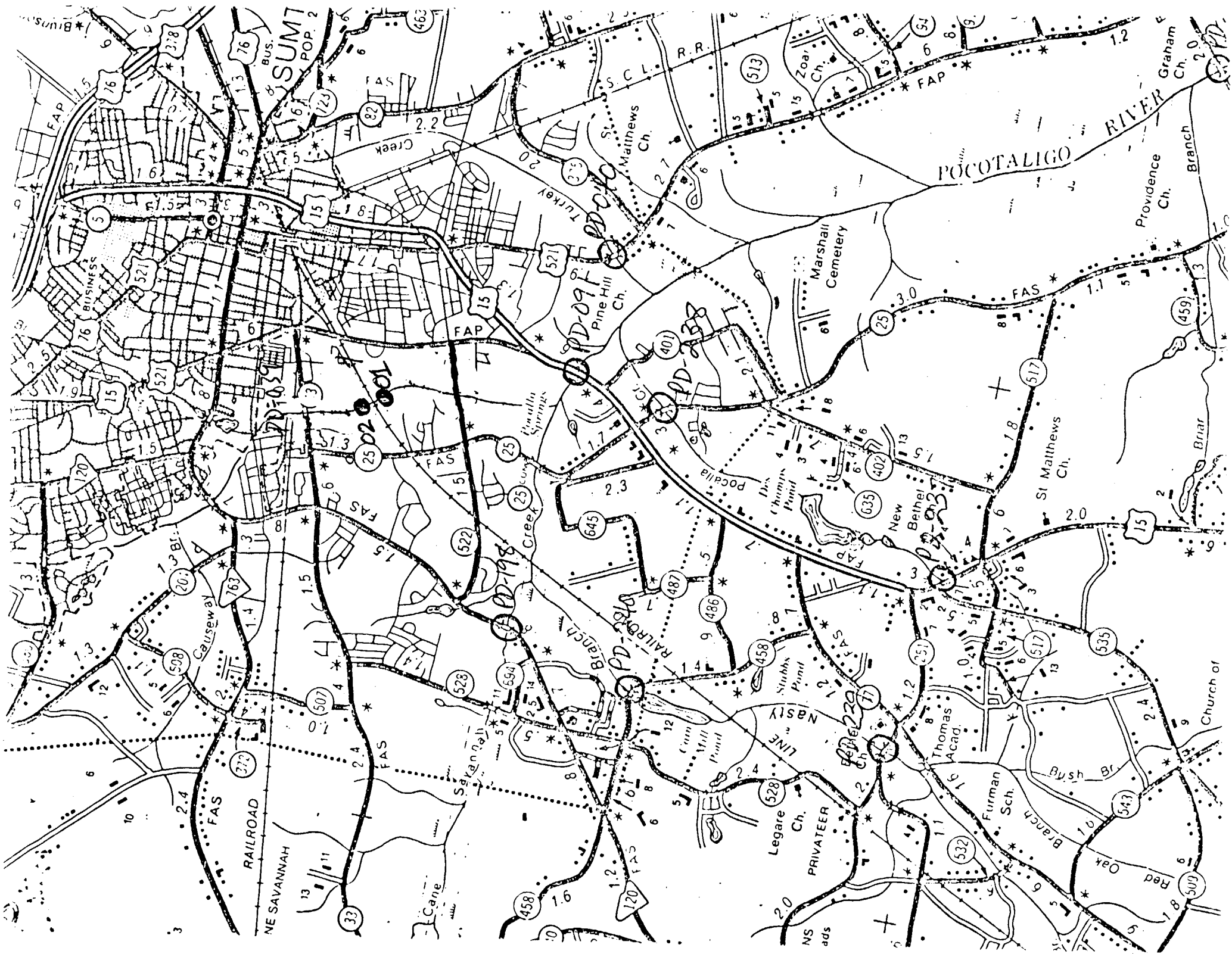
Memorandum to Chris Lock

Page 2

December 19, 1983

I hope this information will be useful to you. If I can answer any questions or provide any further assistance, please contact me.

MM/al



Reference 16

# South Carolina Department of Health and Environmental Control

2600 Bull Street  
Columbia, S.C. 29201

Commissioner  
Robert S. Jackson, M.D.



Board  
Moses H. Clarkson, Jr., Chairman  
Leonard W. Douglas, M.D., Vice-Chairman  
Barbara P. Nuessle, Secretary  
Gerald A. Kaynard  
Oren L. Brady, Jr.  
James A. Spruill, Jr.

## MEMORANDUM

TO: Chris Lock  
Solid & Hazardous Waste-Water District

FROM: Mike Marcus *Mike Marcus*  
Stream and Facility Monitoring

SUBJECT: Chemical Analyses from Green Swamp  
Sumter County

DATE: December 19, 1983

RECEIVED 22 1983

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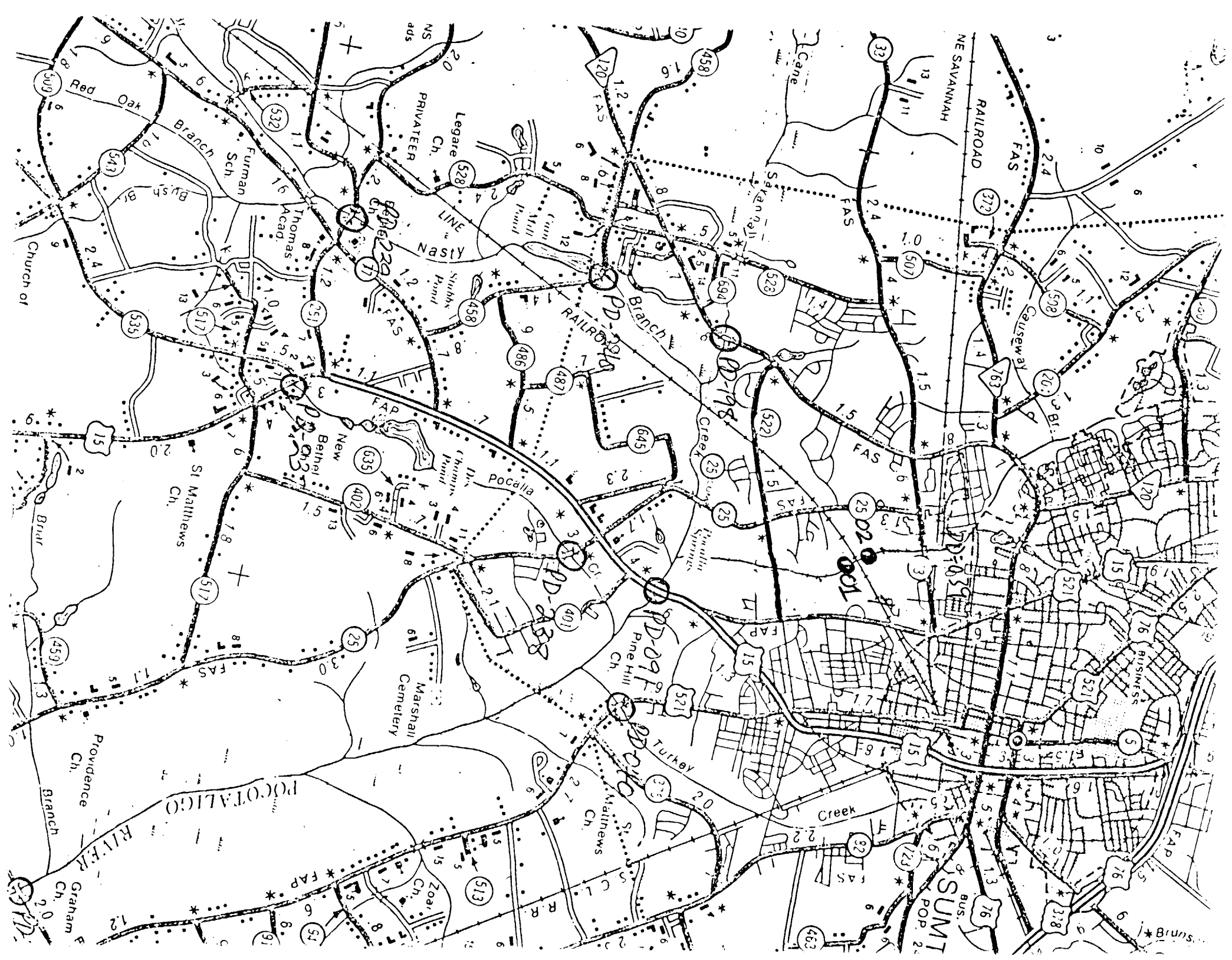
Memorandum to Chris Lock

Page 2

December 19, 1983

I hope this information will be useful to you. If I can answer any questions or provide any further assistance, please contact me.

MM/al





# South Carolina Department of Health and Environmental Control

Reference 17

Earl  
for file  
all file  
TOP

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Michael W. Mims  
Barbara P. Nuessle

Chen  
all file  
to list  
discussion  
Admin. to file

COMMISSIONER  
Robert S. Jackson, M.D.  
2600 Bull Street  
Columbia, S. C. 29201

April 27, 1981

## MEMORANDUM

TO: Don Duncan, Director  
Division of Ground Water Protection  
EQC

FROM: R. Capers Dixon *RCD*  
Dist. Solid & Hazardous Waste Consultant  
.. Wateree District

SUBJECT: Sumter Inert Waste Disposal Site  
Cooks Street, Sumter County

Recently, a new sewer line was installed through the lower portion of the above referenced site. During the installation process quantities of waste material which appeared to be paint sludge and solvent wastes was excavated. Several years ago this site was known as the City of Sumter Landfill. At that time, it is believed that possibly large amounts of industrial wastes and other materials which may now be classified as hazardous wastes by the South Carolina Hazardous Waste Management Regulations promulgated March 31, 1980, may have been disposed of at the site.

Also, it has come to the attention of this office that one person helping to install the sewer line was overcome by the fumes emitted by the waste materials. This site is located approximately four thousand five hundred (4500) feet from a city ground water well. Consequently, a hydro-geological study may be necessary.

RCD/h1

RECEIVED

MAY 23 1981

DEPT. OF HEALTH AND  
ENVIRONMENTAL CONTROL  
Bureau of Solid & Hazardous  
Waste Management

# South Carolina State Board of Health

## AUTHORITY MEMBERS

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CHARLESTON

JOHN B. MARTIN, JR., M.D. . . HEALTH  
ANDERSON



## Pollution Control Authority

W. T. LINTON, EXECUTIVE DIRECTOR  
J. MARION SIMS BUILDING

Columbia, South Carolina 29201  
March 13, 1970

## AUTHORITY MEMBERS

CARL W. GREGORY . . . . . LABOR  
CHARLESTON

MEDWELL HILL . . . . . LABOR  
NEW ELLENTON

H. H. CONNELLY . . . . . MUNICIPALITIES  
NEWBERRY

WILLIAMS H. MILLER . . . . . PAPER AND PULP  
HARTSVILLE

F. BARTOW CULP . . . . . WILDLIFE  
CHARLESTON

AREA CODE 803  
TELEPHONE: 755-5416

## MEMORANDUM

TO: Mr. W. G. Crosby

FROM: Earl Powers

SUBJECT: Sumter Dump

On March 5, 1970 an investigation was made of open burning at the Sumter Dump. The agent, Earl Powers, Air Pollution Control Division, observed a large tank truck dumping a green liquid into the swamp that fed into Green Swamp Creek. With him were two agents of the Solid Waste Disposal Section.

Four pictures were taken of the event.

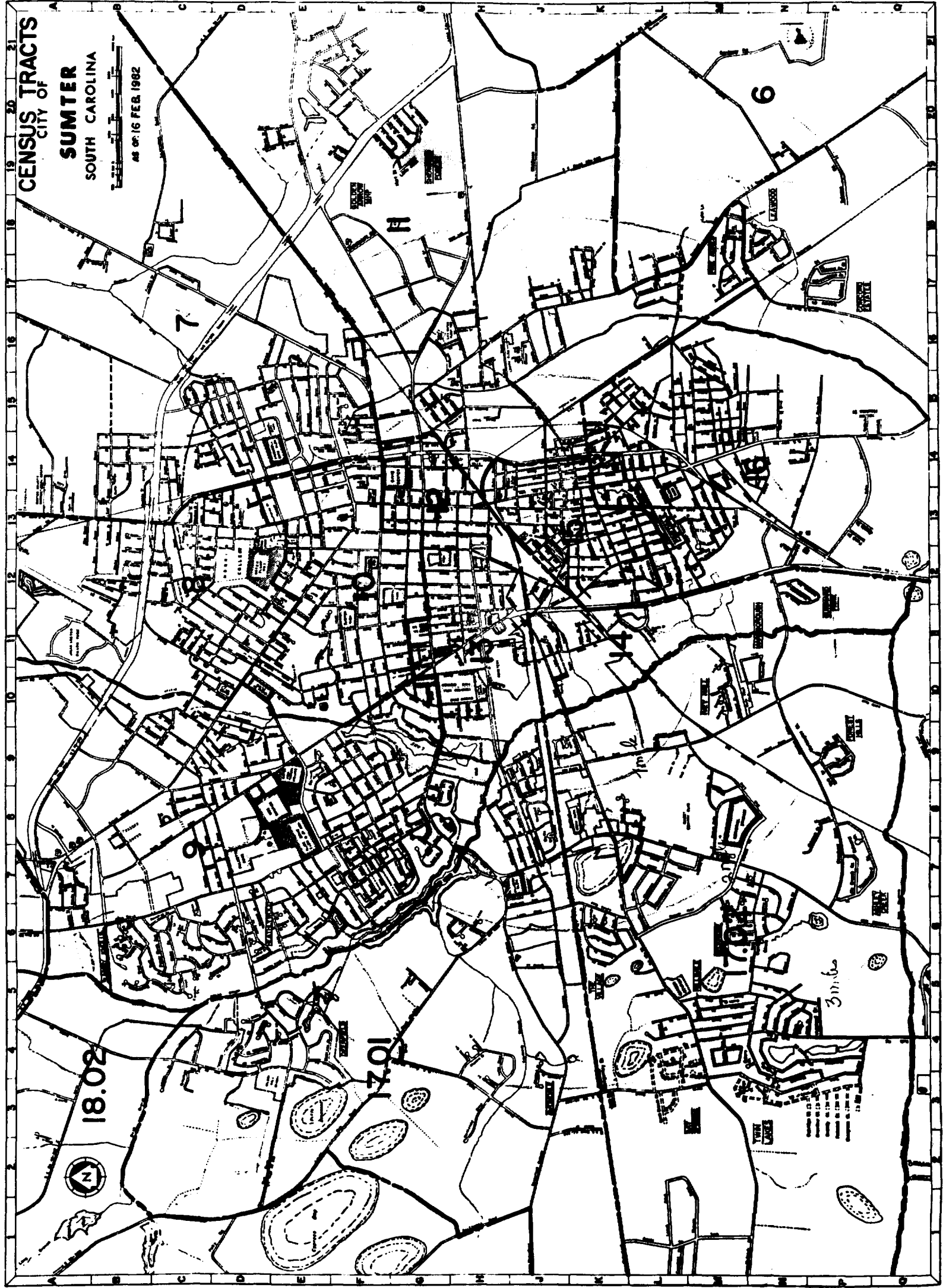
RECORD OF COMMUNICATION	<input checked="" type="checkbox"/> PHONE CALL <input type="checkbox"/> DISCUSSION <input type="checkbox"/> FIELD TRIP <input type="checkbox"/> CONFERENCE <input type="checkbox"/> OTHER (SPECIFY)	
	(Record of item checked above)	
TO: Grady Grubbs (773-3977) - Director of Utilities Sumter Public Works	FROM: Helen McGill Site Screening SCDHEC	DATE 10-12-87 TIME 1:15
SUBJECT Population served by municipal groundwater system.		
SUMMARY OF COMMUNICATION <p>The Sumter area is served by four municipal groundwater wells. Three of these four wells are within the three mile radius of the site. Total population served from the deeper aquifer is 55,800* (average depth of wells 600-900 ft). In the past, the municipal wells had been drawing water from the shallow aquifer (60-100 ft). The shallow aquifer was used for the municipal wells until the late 60's.</p> <p>*15,000 houses x 3.8 persons per house = 57,000 pop. - 1,200 (pop. served by Well #4 outside of 3 mile radius) = 55,800 pop.</p>		
CONCLUSIONS, ACTION TAKEN OR REQUIRED		
INFORMATION COPIES TO:		

Reference 20

RECORD OF COMMUNICATION		<input checked="" type="checkbox"/> PHONE CALL <input type="checkbox"/> DISCUSSION <input type="checkbox"/> FIELD TRIP <input type="checkbox"/> CONFERENCE <input type="checkbox"/> OTHER (SPECIFY)			
		(Record of item checked above)			
TO: Bill Boswell (773-1461) Santee Print Sumter, SC		FROM: Helen McGill Site Screening SCDHEC		DATE Nov. 5, 1987 TIME 3:40	
SUBJECT Quantity of Waste Santee Print disposed at Old Sumter Landfill					
SUMMARY OF COMMUNICATION					
<p>In an attempt to gather information regarding quantities and types of wastes that might have been disposed at Sumter Inert Landfill from 1958-1973, I called Bill Boswell, Plant Manager, Santee Print for assistance. Mr. Boswell's best estimation of quantity of wastes disposed by Santee Print at Old Sumter Landfill is one load per week (3,500 gallons per load) from 1968-1973*. He states that Santee Print produces pigment colors as waste and that varsol is introduced as a carrier to the oil phase of the process. The varsol helps to keep the oil mixed so it can be skimmed off the top more readily. (This was in response to my request for the composition of Santee Print Wastes). I inquire about the heavy metals that might have been used for pigment color (Before water soluble dye was used) and he stated that all heavy metal quantities are within limits.</p>					
<p>*5 years = 260 weeks          3500 gallons per weeks x 260 wks. = 910,000 gallons          910,000 gallons ÷ 50 gallons = 18,200 drums</p>					
CONCLUSIONS, ACTION TAKEN OR REQUIRED					
INFORMATION COPIES TO:					

Reference 21

RECORD OF COMMUNICATION		<input checked="" type="checkbox"/> PHONE CALL <input type="checkbox"/> DISCUSSION <input type="checkbox"/> FIELD TRIP <input type="checkbox"/> CONFERENCE <input type="checkbox"/> OTHER (SPECIFY)	
TO: Chris Lock, Manager Emergency Response Section SCDHEC		(Record of item checked above)	
		FROM: Helen McGill Site Screening Section SCDHEC	DATE Nov. 6, 198 TIME 11:00
SUBJECT Fishing observed in Swamp Waters down stream from Sumter Inert			
SUMMARY OF COMMUNICATION  Chris Lock was Solid and Hazardous Waste Consultant for several years in the Wateree District. He has observed that fishing from the bridge into the swamp near Hwy 15 and Guignard Dr. occurs daily. This fishing hot spot is less than 1½ miles from the Sumter Inert site.			
CONCLUSIONS, ACTION TAKEN OR REQUIRED			
INFORMATION COPIES TO:			



- city limits  
as of 1987  
pop. 2,900  
incorporated 1882

reference  
2-2

Ref 22

3 mile radius

Census tract

1485 Pop.

8

5500

9

8200

(.5) 17.01

(.5) 17.02

(.5) 3500 = 1750

(.5) 16

(.5) 5400 = 2700

18150

20,600

(.5) 4900 = 2450

20,100

10,435

total population

3 mile radius

31,035

TABLE IV

POPULATION DISTRIBUTION BY  
CENSUS TRACTS, 1970-2010

Census Tracts	1970 Population	1980 Population	Percent Change	1985 Population	1990 Population	2000 Population	2010 Population
1	2,557	2,792	9.2	3,000	3,220	3,570	3,900
2	6,002	6,403	6.7	6,700	7,240	8,820	9,660
3	5,819	7,366	26.6	7,540	7,740	8,250	9,050
4	4,663	6,261	34.3	7,170	8,450	10,160	11,120
5	2,751	2,997	8.9	3,200	3,320	3,570	3,950
6	3,501	3,735	6.7	3,870	4,010	4,350	4,770
7	5,008	4,966	-0.1	5,180	5,200	5,580	6,110
8	4,896	5,208	6.4	5,500	5,610	6,030	6,600
9	6,403	7,765	21.3	8,200	8,850	9,600	10,500
10	4,470	3,624	-18.9	3,600	3,520	3,460	3,800
11	3,867	4,485	16.0	5,090	5,500	6,140	6,720
12	561	327	-41.7	300	280	260	250
13	3,757	3,120	-16.9	3,120	3,000	2,560	2,800
14	647	589	-9.0	570	560	550	540
15	4,482	3,002	-33.0	2,800	2,700	2,230	2,450
16	4,733	4,749	0.3	4,900	5,200	5,920	6,480
17.01	2,280	2,888	26.7	3,500	3,720	4,450	4,770
17.02	2,141	4,650	117.2	5,400	6,130	7,260	7,950
18.01	1,031	1,515	46.9	1,700	1,940	2,340	2,570
18.02	5,148	4,665	-9.4	5,000	5,330	5,900	6,480
19	4,783	7,136	49.2	8,000	9,080	10,750	11,730
Total	79,425	88,243	11.1	94,300	100,600	111,750	122,200

Source: U. S. Department of Commerce, Bureau of The Census, Census Tracts, South Carolina Selected Areas. Projections by Vismor, McGill and Bell, Inc.



Reference 24

<b>RECORD OF COMMUNICATION</b>		<input checked="" type="checkbox"/> PHONE CALL <input type="checkbox"/> DISCUSSION <input type="checkbox"/> FIELD TRIP <input type="checkbox"/> CONFERENCE <input type="checkbox"/> OTHER (SPECIFY) _____	
		(Record of item checked above)	
<b>TO:</b>	Bob Massey Layne-Atlantic Savannah, Georgia	<b>FROM:</b> Helen McGill Site Screening SCDHEC	<b>DATE</b> Nov. 3, 1987  <b>TIME</b> 10:00
<b>SUBJECT</b> Screening depth of community wells for the City of Sumter			
<b>SUMMARY OF COMMUNICATION</b>  <p>According to Bob Massey of Layne-Atlantic (Contractor for well drilling of community wells for the City of Sumter) states that all community wells are screened in the deeper aquifer at the present time. In years past, the shallow aquifer was used as a water source by the City of Sumter. All of these wells have been properly abandoned. There has been some discussion by the City of Sumter concerning the option of mixing the shallow and deeper aquifer to improve the quality of drinking water. No action has been taken.</p> <p>Also after reviewing a log of Plant #1, wells (Black Creek Aquifer), I had some doubts about the impermeability of that aquifer. He assured me that the clay layer was indeed 100-350 feet thick.</p> <p style="text-align: center;">..</p>			
<b>CONCLUSIONS, ACTION TAKEN OR REQUIRED</b>			
<b>INFORMATION COPIES TO:</b>			

Reference 25

RECORD OF COMMUNICATION		<input checked="" type="checkbox"/> PHONE CALL <input type="checkbox"/> DISCUSSION <input type="checkbox"/> FIELD TRIP <input type="checkbox"/> CONFERENCE <input type="checkbox"/> OTHER (SPECIFY)	
		(Record of item checked above)	
TO: Bob Massey, Manager Layne-Atlantic Savannah, Georgia		FROM: Helen McGill Site Screening SCDHEC	DATE Nov. 12, 1987 TIME 3:52
SUBJECT Well Sum 0056, 23 p-W1			
SUMMARY OF COMMUNICATION			
<p>In a memorandum dated November 10, 1987 to John Cresswell, Manager, Site Screening Section from Judy Canova, Hydrologist, Superfund and Solid and Waste, it was indicated that a 700 feet deep well owned by the City of Sumter had screens in the shallow aquifer and two screens in the deeper aquifer.</p> <p>I called Bob Massey the Contractor that drilled the wells or the City of Sumter to verify this information. According to <del>our</del> files, this well was a test hole and was never used to serve the community.</p> <p>..</p>			
CONCLUSIONS, ACTION TAKEN OR REQUIRED			
INFORMATION COPIES TO:			

QA Review Draft:  
Site Name

Author:  
Date:

**DOCUMENTATION RECORDS  
FOR  
HAZARD RANKING SYSTEM**

**INSTRUCTIONS:** As briefly as possible summarize the information you used to assign the score for each factor (e.g., "Waste quantity = 4,230 drums plus 800 cubic yards of sludges"). The source of information should be provided for each entry and should be a bibliographic-type reference. Include the location of the document.

**FACILITY NAME:** Sumter Inert

**LOCATION:** Sumter, SC

**DATE SCORED:** January 4, 1988

**PERSON SCORING:** Helen J. McGill

**PRIMARY SOURCE(S) OF INFORMATION (e.g., EPA region, state, FIT, etc.):**

SCDHEC CERCLA Files, SCDHEC Wateree District Files

**FACTORS NOT SCORED DUE TO INSUFFICIENT INFORMATION:**  
Air F&E DC not scored because of insufficient information.

**COMMENTS OR QUALIFICATIONS:**

Awaiting additional laboratory results from soil sample taken 9/30/87.  
Insufficient hydrological information of deeper aquifer due to insufficient monitoring program at site (approximately 57,000 population served by deeper aquifer).

QA Review Draft:  
Site Name

Author:  
Date:

## GROUND WATER ROUTE

### 1 OBSERVED RELEASE

Contaminants detected (5 maximum):

Rationale for attributing the contaminants to the facility:

\* \* \*

### 2 ROUTE CHARACTERISTICS

#### Depth to Aquifer of Concern

Name/description of aquifer(s) of concern:

Shallow aquifer

Ref. 2

Depth(s) from the ground surface to the highest seasonal level of the saturated zone (water table(s)) of the aquifer(s) of concern:

3 feet

Ref. 3, 2

Depth from the ground surface to the lowest point of waste disposal/storage:

Deposited waste range from 3 feet to 12 feet

Ref. 3~~4~~, 4

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Site Name

Author:  
Date:

Net Precipitation

Mean annual or seasonal precipitation (list months for seasonal):

48 inches

Ref. 5

Mean annual lake or seasonal evaporation (list months for seasonal):

42 inches

Ref. 5

Net precipitation (subtract the above figures):

6 inches

Ref. 5

Permeability of Unsaturated Zone

Soil type in unsaturated zone:

Clayey sand

Ref. 2

Permeability associated with soil type:

$10^{-3} - 10^{-5}$  cm/sec

Ref. 2

Physical State

Physical state of substances at time of disposal (or at present time for generated gases):

liquids, sludges, solids

Ref. 6, 18, 20, 29, 30, 31, 17

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Site Name

Author:  
Date:

### 3 CONTAINMENT

#### Containment

Method(s) of waste or leachate containment evaluated:

Methods evaluated: Landfill no liner

Ref. 4, 32

Also waste piles uncovered and no liner

Method with highest score:

Landfill with no liner

Re. 5, 4, 8, 32

### 4 WASTE CHARACTERISTICS

#### Toxicity and Persistence

Compound(s) evaluated:

Metals - lead, chromium, cadmium

Ref. 1, 7 part 2

Compound with highest score:

Lead, chromium, cadmium - 18

Ref. 1, 26, 27, 28

#### Hazardous Waste Quantity

Total quantity of hazardous substances at the facility, excluding those with a containment score of 0 (Give a reasonable estimate even if quantity is above maximum):

At least 910,000 gallons

Ref. 6, 20, 31, 9

Basis of estimating and/or computing waste quantity:

3500 gallons per week for 260 weeks\*

= 910,000 gallon

910,000 gallons ÷ 50 gallons = 18,200 drums \*\*

\*260 weeks = 5 years (Approx. 1968-1973)

\*\* 50 gallons = 1 drum

\*\*\*

Ref. 20, 31

QA Review Draft:  
Site Name

Author:  
Date:

## 5 TARGETS

### Ground Water Use

Use(s) of aquifer(s) of concern within a 3-mile radius of the facility:

Private wells for drinking purposes Ref. 11, 8

### Distance to Nearest Well

Location of nearest well drawing from aquifer of concern or occupied building not served by a public water supply:

Location of nearest well is southeast of the site Ref. 11

Distance to above well or building:

0.35 mile (1900 feet) Ref. 11

### Population Served by Ground Water Wells Within a 3-Mile Radius

Identify water-supply wells(s) drawing from aquifer(s) of concern within a 3-mile radius and populations served by each:

Private wells are screened in the shallow aquifer. Ref. 11, 2

924 wells x 3.8 = 3511 persons

Computation of land area irrigated by supply well(s) drawing from aquifer(s) of concern within a 3-mile radius, and conversion to population (1.5 people per acre):

None Ref. 13, 14

Total population served by ground water within a 3-mile radius:

Total population served by private wells/shallow aquifer = 3511 individuals

Ref. 11, 24, 25

see reference 19 for info. about deeper aquifer pop.

QA Review Draft:  
Site Name

Author:  
Date:

## SURFACE WATER ROUTE

### 1 OBSERVED RELEASE

Contaminants detected in surface water at the facility or downhill from it (5 maximum):

None observed

Ref 15, 16

Rationale for attributing the contaminants to the facility:

Can't demonstrate that the stream sediment contamination resulted from landfill activities.

Ref. 15, 16

\* \* \*

### 2 ROUTE CHARACTERISTICS

#### Facility Slope and Intervening Terrain

Average slope of facility in percent:

$$\frac{160 - 150 \text{ (feet)}}{500 \text{ feet}} \times 100 = \frac{10 \text{ feet}}{500 \text{ feet}} = 2\%$$

Ref. 33

Ref. 33

Name/description of nearest downslope surface water:

Green Swamp

Ref. 11, 33

Average slope of terrain between facility and above-cited surface water body in percent:

$$\frac{150 \text{ feet} - 130 \text{ feet}}{1000 \text{ feet}} \times 100 = \frac{20 \text{ feet}}{1000 \text{ feet}} = 2\%$$

Ref. 33

Is the facility located either totally or partially in surface water?

No

Ref. 11, 8



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Site Name

Author:  
Date:

Is the facility completely surrounded by areas of higher elevation?

No Ref. 11

1-Year 24-Hour Rainfall in Inches

3.0 inches Ref. 5

Distance to Nearest Downslope Surface Water

1,000 feet. Ref. 11

Physical State of Waste

liquids, sludges Ref. 6, 18, 20, 27, 30, 31, 17

\* \* \*

**3 CONTAINMENT**

Containment:

**Method(s) of waste or leachate containment evaluated:**

Landfill with no cover and no diversion system present. Also waste piles not covered. Wastes unconsolidated and no diversion.

Ref. 4, 8, 32

**Method with highest score:**

Landfill with no cover and no diversion system present -3

Ref. 5, 32, 4

QA Review Draft:  
Site Name

Author:  
Date:

#### 4 WASTE CHARACTERISTICS

##### Toxicity and Persistence

###### Compound(s) evaluated:

Lead, chromium, cadmium

Ref. 1,7 part 2

###### Compound with highest score:

Lead = 18

Ref. 26, 1,27,28

##### Hazardous Waste Quantity

- .. Total quantity of hazardous substances at the facility, excluding those with a containment score of 0 (Give a reasonable estimate even if quantity is above maximum):

At least 910,000 gallons

Ref. 15, 16, 6, 20, 29, 30, 31, 9

###### Basis of estimating and/or computing waste quantity:

3500 gallons per week for 260 weeks\*

= 910,000 gallons

910,00 gallons ÷ 50 gallons = 18,200 drums\*\*

\*260 weeks = 5 years (Approx. 1968-1973)

\*\* 50 gallons = 1 drum

\* \* \*

#### 5 TARGETS

##### Surface Water Use

###### Use(s) of surface water within 3 miles downstream of the hazardous substance:

Fishing

Ref. 21

QA Review Draft:  
Site Name

Author:  
Date:

Is there tidal influence?

none.

Ref. 11

Distance to a Sensitive Environment

Distance to 5-acre (minimum) coastal wetland, if 2 miles or less:

none.

Ref. 11

.. Distance to 5-acre (minimum) fresh-water wetland, if 1 mile or less:

Green Swamp  
500 feet

Ref. 11, 33

Distance to critical habitat of an endangered species or national wildlife refuge, if  
1 mile or less:

none within 1 mile

Ref. 12

Population Served by Surface Water

Location(s) of water-supply intake(s) within 3 miles (free-flowing bodies) or 1 mile  
(static water bodies) downstream of the hazardous substance and population served  
by each intake:

none.

Ref. 10

QA Review Draft:  
Site Name

Author:  
Date:

Computation of land area irrigated by above-cited intake(s) and conversion to population (1.5 people per acre):

none known

Ref. 13, 14

Total population served:

n/a

Ref. 13, 14

Name/description of nearest of above-cited intakes:

n/a

Ref. 13, 14

Distance to above-cited intakes, measured in stream miles:

n/a

Ref. 13, 14

QA Review Draft:  
Site Name

Author:  
Date:

## AIR ROUTE

### 1 OBSERVED RELEASE

Contaminants detected:

No air monitoring done

Date and location of detection of contaminants:

Methods used to detect the contaminants:

Rationale for attributing the contaminants to the site:

\* \* \*

### 2 WASTE CHARACTERISTICS

Reactivity and Incompatibility

Most reactive compound:

Most incompatible pair of compounds:

QA Review Draft:  
Site Name

Author:  
Date:

Toxicity

Most toxic compound:

Hazardous Waste Quantity

Total quantity of hazardous waste:

Basis of estimating and/or computing waste quantity:

\* \* \*

3 TARGETS

Population Within 4-Mile Radius

Circle radius used, give population, and indicate how determined:

0 to 4 mi

0 to 1 mi

0 to 1/2 mi

0 to 1/4 mi

Distance to a Sensitive Environment

Distance to 5-acre (minimum) coastal wetland, if 2 miles or less:

Distance to 5-acre (minimum) fresh-water wetland, if 1 mile or less:

QA Review Draft:  
Site Name

Author:  
Date:

Distance to critical habitat of an endangered species, if 1 mile or less:

Land Use

Distance to commercial/industrial area, if 1 mile or less:

Distance to national or state park, forest, or wildlife reserve, if 2 miles or less:

Distance to residential area, if 2 miles or less:

Distance to agricultural land in production within past 5 years, if 1 mile or less:

Distance to prime agricultural land in production within past 5 years, if 2 miles or less:

Is a historic or landmark site (National Register of Historic Places and National Natural Landmarks) within the view of the site?

QA Review Draft:  
Site Name

Author:  
Date:

## FIRE AND EXPLOSION HAZARD

### 1 CONTAINMENT

Hazardous substances present:

This section not scored.

Type of containment, if applicable:

\* \* \*

### 2 WASTE CHARACTERISTICS

Direct Evidence

Type of instrument and measurements:

Ignitability

Compound used:

Reactivity

Most reactive compound:

Incompatibility

Most incompatible pair of compounds:



QA Review Draft:  
Site Name

Author:  
Date:

Hazardous Waste Quantity  
Total quantity of hazardous substances at the facility:

Basis of estimating and/or computing waste quantity:

\* \* \*

### 3 TARGETS

.. Distance to Nearest Population

Distance to Nearest Building

Distance to Sensitive Environment  
Distance to wetlands:

Distance to critical habitat:

Land Use  
Distance to commercial/industrial area, if 1 mile or less:

QA Review Draft:  
Site Name

Author:  
Date:

Distance to national or state park, forest, or wildlife reserve, if 2 miles or less:

Distance to residential area, if 2 miles or less:

Distance to agricultural land in production within past 5 years, if 1 mile or less:

Distance to prime agricultural land in production within past 5 years, if 2 miles or less:

..

Is a historic or landmark site (National Register of Historic Places and National Natural Landmarks) within the view of the site?

Population Within 2-Mile Radius

Buildings Within 2-Mile Radius

QA Review Draft:  
Site Name

Author:  
Date:

## DIRECT CONTACT HAZARD

### 1 OBSERVED INCIDENT

Date, location, and pertinent details of incident:

\* \* \*

### 2 ACCESSIBILITY

Describe type of barrier(s):

\* \* \*

### 3 CONTAINMENT

Type of containment, if applicable:

\* \* \*

### 4 WASTE CHARACTERISTICS

#### Toxicity

Compounds evaluated:

Compound with highest score:

\* \* \*

QA Review Draft:  
Site Name

Author:  
Date:

5 TARGETS

Population within a 1-mile radius:

Distance to critical habitat of endangered species:

..

RECORD OF COMMUNICATION		<input checked="" type="checkbox"/> PHONE CALL <input type="checkbox"/> DISCUSSION <input type="checkbox"/> FIELD TRIP <input type="checkbox"/> CONFERENCE <input type="checkbox"/> OTHER (SPECIFY)	
		(Record of item checked above)	
TO: Roy McLaurin Southern Coating Sumter, SC	FROM: Helen McGill Site Screening SCDHEC	DATE	Nov. 12, 1987
		TIME	3:20
SUBJECT Waste composition and quantity disposed at Sumter Inert Landfill by Southern Coating from 1958-1973.			
SUMMARY OF COMMUNICATION			
<p>Roy McLaurin, Southern Coating could not estimate a quantity of wastes that may have been deposited at the landfill. He just remembers some drums with small amounts of paint sludge.</p> <p>I inquire about the Chemical Composition of their processors. He replied that metal oxide (chromium, lead, copper, titanium) mix with resin. Color is added. The color intensity is thin with solvents until desired shade is achieved. They manufacture epoxy paints and varnishes.</p>			
CONCLUSIONS, ACTION TAKEN OR REQUIRED			
INFORMATION COPIES			
TO:			

Reference 30

RECORD OF COMMUNICATION		<input checked="" type="checkbox"/> PHONE CALL <input checked="" type="checkbox"/> DISCUSSION <input type="checkbox"/> FIELD TRIP <input type="checkbox"/> CONFERENCE <input type="checkbox"/> OTHER (SPECIFY)	
		(Record of item checked above)	
TO: Tom Robertson Chemist Southern Coating		FROM: Helen McGill Site Screening Section SCDHEC	DATE 11/19/87 TIME 9:10
SUBJECT Composition of wastes disposed at Sumter Inert Landfill			
SUMMARY OF COMMUNICATION			
<p>During the years (approximately 1958-1974), waste bags from Southern Coating were disposed at old Sumter Landfill. Paint pigments are contained in the waste bags. The bags are shook out to release the contents. These waste bags are then disposed. The chemical composition of the paint pigments used during the referenced period are calcium carbonate, magnesium silicate, iron oxide, titanium dioxide, lead carbonate, lead sulfate, zinc chromate, lead oxide, small quantities of copper pigment. Mr. Robertson did not feel he had enough information on production trends to make an attempt at quantifying the amount of waste bags disposed at the landfill. There is a direct relationship between production and wastes accumulated according to him.</p> <p>Solvents are used in their processes also. Mineral spirit (aliphatic hydrocarbons) toluene, xylene, varsol are among the most common solvents used. In the years past, Southern Coating regularly "burned" the solvents (in a open field behind the facility) as a disposal method. After they became required to stop this practice some of these solvent waste may have been disposed at the Sumter Landfill.</p>			
CONCLUSIONS, ACTION TAKEN OR REQUIRED			
INFORMATION COPIES TO:			

# South Carolina Department of Health and Environmental Control

2600 Bull Street  
Columbia, S.C. 29201

Commissioner  
Michael D. Jarrett

Waterlee District  
Environmental Quality Control  
105 N. Magnolia Street/P.O. Box 1628  
Sumter, S.C. 29151  
(803) 773-5511/778-1531



## Board

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William H. Hester, M.D.  
Euta M. Colvin, M.D.

November 9, 1987

## MEMORANDUM

TO: John Cain  
Bureau of Solid & Hazardous Waste Management

FROM: Capers Dixon <sup>CD</sup>  
Waterlee District EQC

SUBJECT: Hazardous Waste Disposal - Sumter Inert  
Site on Cooks Street  
Sumter County

In regards to on-site inspections and conversations with responsible officials in 1973, I found that large quantities of industrial chemical wastes were being dumped in the above referenced landfill. It appeared that Santee Print Works and Southern Coatings, Inc., were the main disposers of chemical wastes at the site. In 1973, my investigations revealed that a relatively large depressed area within the landfill was being used to receive thousands of gallons of chemicals each month. The surrounding and applied debris (tree limbs, leaves, etc.) were used to adsorb and absorb the liquid wastes.

It was my understanding that Southern Coatings, Inc., was dumping approximately 8,000 gallons per month of liquid wastes containing paints and solvents. Santee Print Works was dumping approximately 3,000 gallons per week of dye wastes containing some solvents. I feel certain that both of the above industries had been dumping these wastes for a least a year or more. Santee Print Works had ceased dumping their dye wastes in September of 1973. However, Southern Coatings, Inc., apparently continued dumping until later in 1973 or early 1974.

As I recall, the lagoon of chemicals at the landfill site was approximately 75 feet to 100 feet long and about 50 feet wide. The wastes had a relatively strong solvent odor.

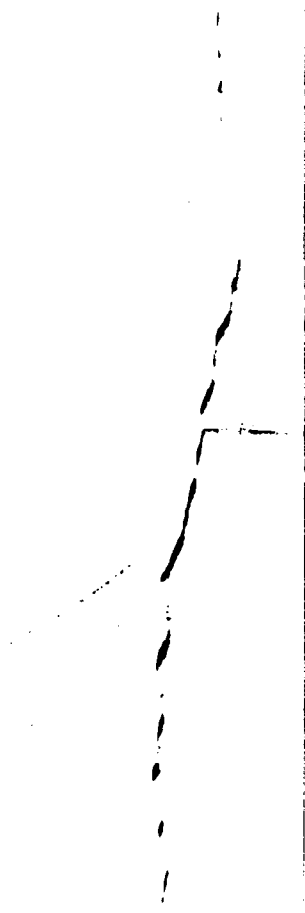
/ce

Ref 32

RECORD OF COMMUNICATION		<input type="checkbox"/> PHONE CALL <input checked="" type="checkbox"/> DISCUSSION <input type="checkbox"/> FIELD TRIP <input type="checkbox"/> CONFERENCE <input type="checkbox"/> OTHER (SPECIFY)	
		(Record of item checked above)	
TO: Lee Rawl Solid Waste Permitting Section Bureau of Solid and Hazardous Waste Management	FROM: Helen McGill Site Screening Section SCDHEC	DATE Oct. 22, 1987	TIME 2:20
SUBJECT			
SUMMARY OF COMMUNICATION			
<p>According to Lee Rawl, Solid Waste Permitting Section, Bureau of Solid and Hazardous Waste Management, Sumter Inert Landfill has very inadequate cover ranging from 6 inches to less than 2 feet. The landfill does not have a liner or a leachate collection system.</p>			
CONCLUSIONS, ACTION TAKEN OR REQUIRED			
INFORMATION COPIES			
TO:			



Ref 33.



Facility slope

$$\frac{163 \text{ feet}}{5.0 \text{ feet}}$$

$$= \frac{10}{50} = 1.02$$

$$= 3.4\%$$

$$\frac{157 - 100}{100} = \frac{57}{100}$$

$$= 57\%$$

$$= 2.97\%$$



RECORD OF COMMUNICATION		<input checked="" type="checkbox"/> PHONE CALL <input type="checkbox"/> DISCUSSION <input type="checkbox"/> FIELD TRIP <input type="checkbox"/> CONFERENCE <input type="checkbox"/> OTHER (SPECIFY)	
(Record of item checked above)			
TO: Mac McCoy McCoy Utilities Sumter, SC		FROM: Helen McGill Site Screening SCDHEC	DATE Nov. 25, 1987 TIME 3:00
SUBJECT  Depth of trash at Sumter Inert Landfill			
SUMMARY OF COMMUNICATION  Mr. McCoy was present during the time the sewer line was excavated in the landfill. He recalls that during the excavation there was 2-3 feet of cover before they encountered trash. He believes the trash depth is 10-12 feet. The excavation went down to 10-13 feet.			
CONCLUSIONS, ACTION TAKEN OR REQUIRED			
INFORMATION COPIES TO:			

Facility name: Sumter Inert

Location: Sumter, SC

EPA Region: IV

Person(s) in charge of the facility: Sumter County

Name of Reviewer: Helen McGill

Date: January 4, 1988

General description of the facility:

(For example: landfill, surface impoundment, pile, container; types of hazardous substances; location of the facility; contamination route of major concern; types of information needed for rating; agency action, etc.)

-- Sumter Inert Landfill from 1958-1973 accepted liquid and industrial waste.

This landfill is located approximately 1000 feet from Green Swamp. The

only existing monitoring well on site has shown elevated heavy metal concen-  
trations.

Scores:  $S_M = 45.76$  ( $S_{gw} = 79.17$   $S_{sw} = 14.55$   $S_a = 0$  )

$S_{FE} =$

$S_{DC} =$

HRS COVER SHEET

Ground Water Route Work Sheet						
Rating Factor	Assigned Value (Circle One)	Multi-plier	Score	Max. Score	Ref. (Section)	
<b>1</b> Observed Release	0                      45	1	0	45	3.1	
If observed release is given a score of 45, proceed to line <b>4</b> . If observed release is given a score of 0, proceed to line <b>2</b> .						
<b>2</b> Route Characteristics					3.2	
Depth to Aquifer of Concern	0 1 2 <b>3</b>	2	6	8		
Net Precipitation	0 1 <b>2</b> 3	1	2	3		
Permeability of the Unsaturated Zone	0 1 <b>2</b> 3	1	2	3		
Physical State	0 1 2 <b>3</b>	1	3	3		
Total Route Characteristics Score			13	15		
<b>3</b> Containment	0 1 2 <b>3</b>	1	3	3	3.3	
<b>4</b> Waste Characteristics					3.4	
Toxicity/Persistence	0 3 6 9 12 15 <b>18</b>	1	18	18		
Hazardous Waste Quantity	0 1 2 3 4 5 6 7 <b>8</b>	1	8	8		
Total Waste Characteristics Score			26	28		
<b>5</b> Targets					3.5	
Ground Water Use	0 1 2 <b>3</b>	3	9	9		
Distance to Nearest Well/Population Served	0 4 8 10 12 16 18 20 24 30 32 <b>35</b> 40	1	35	40		
Total Targets Score			44	49		
<b>6</b> If line <b>1</b> is 45, multiply <b>1</b> x <b>4</b> x <b>5</b> If line <b>1</b> is 0, multiply <b>2</b> x <b>3</b> x <b>4</b> x <b>5</b>			44,616	57,330		
<b>7</b> Divide line <b>6</b> by 57,330 and multiply by 100			S <sub>gw</sub> = 77.82			

# Surface Water Route Work Sheet

Rating Factor	Assigned Value (Circle One)	Multi- plier	Score	Max. Score	Ref (Section)
<b>1</b> Observed Release	0      45	1	0	45	4.1
If observed release is given a value of 45, proceed to line <b>4</b> . If observed release is given a value of 0, proceed to line <b>2</b> .					
<b>2</b> Route Characteristics					4.2
Facility Slope and Intervening Terrain	0 1 2 3	1	0	3	
1-yr. 24-hr. Rainfall	0 1 2 3	1	3	3	
Distance to Nearest Surface Water	0 1 2 3	2	6	6	
Physical State	0 1 2 3	1	3	3	
Total Route Characteristics Score			12	15	
<b>3</b> Containment	0 1 2 3	1	3	3	4.3
<b>4</b> Waste Characteristics					4.4
Toxicity/Persistence	0 3 6 9 12 15 18	1	18	18	
Hazardous Waste Quantity	0 1 2 3 4 5 6 7 8	1	8	8	
Total Waste Characteristics Score			26	26	
<b>5</b> Targets					4.5
Surface Water Use	0 1 2 3	3	6	9	
Distance to a Sensitive Environment	0 1 2 3	2	4	8	
Population Served/Distance to Water Intake Downstream	0 4 8 8 10 12 16 18 20 24 30 32 35 40	1	0	40	
Total Targets Score			10	55	
<b>6</b> If line <b>1</b> is 45, multiply <b>1</b> x <b>4</b> x <b>5</b> If line <b>1</b> is 0, multiply <b>2</b> x <b>3</b> x <b>4</b> x <b>5</b>			9360	64,350	
<b>7</b> Divide line <b>6</b> by 64,350 and multiply by 100			$S_{SW} = 14.55$		

Air Route Work Sheet						
Rating Factor	Assigned Value (Circle One)	Multi- plier	Score	Max. Score	Ref. (Section)	
<b>[1]</b> Observed Release	0                  45	1		45	5.1	
Date and Location:						
Sampling Protocol:						
If line <b>[1]</b> is 0, the $S_a = 0$ . Enter on line <b>[5]</b> If line <b>[1]</b> is 45, then proceed to line <b>[2]</b>						
<b>[2]</b> Waste Characteristics					5.2	
Reactivity and Incompatibility	0   1   2   3	1		3		
Toxicity	0   1   2   3	3		9		
Hazardous Waste Quantity	0   1   2   3   4   5   6   7   8	1		8		
Total Waste Characteristics Score				20		
<b>[3]</b> Targets					5.3	
Population Within 4-Mile Radius	{ 0   9   12   15   18 21   24   27   30	1		30		
Distance to Sensitive Environment	0   1   2   3	2		6		
Land Use	0   1   2   3	1		3		
Total Targets Score				39		
<b>[4]</b> Multiply <b>[1]</b> x <b>[2]</b> x <b>[3]</b>				35,100		
<b>[5]</b> Divide line <b>[4]</b> by 35,100 and multiply by 100			$S_a = 0$			

	S	S <sup>2</sup>
Groundwater Route Score (S <sub>gw</sub> )	77.82	6055.95
Surface Water Route Score (S <sub>sw</sub> )	14.55	211.70
Air Route Score (S <sub>a</sub> )	0	0
$S_{gw}^2 + S_{sw}^2 + S_a^2$		6267.65
$\sqrt{S_{gw}^2 + S_{sw}^2 + S_a^2}$		79.17
$\therefore \sqrt{S_{gw}^2 + S_{sw}^2 + S_a^2} / 1.73 = S_M =$		45.76

WORKSHEET FOR COMPUTING S<sub>M</sub>



Fire and Explosion Work Sheet												
Rating Factor	Assigned Value (Circle One)								Multi- plier	Score	Max. Score	Ref. (Section)
<b>[1]</b> Containment	1		3						1		3	7.1
<b>[2]</b> Waste Characteristics												7.2
Direct Evidence	0	3						1		3		
Ignitability	0	1	2	3					1		3	
Reactivity	0	1	2	3					1		3	
Incompatibility	0	1	2	3					1		3	
Hazardous Waste Quantity	0	1	2	3	4	5	6	7	8	1	8	
Total Waste Characteristics Score											20	
<b>[3]</b> Targets												7.3
Distance to Nearest Population	0	1	2	3	4	5			1		5	
Distance to Nearest Building	0	1	2	3					1		3	
Distance to Sensitive Environment	0	1	2	3					1		3	
Land Use	0	1	2	3					1		3	
Population Within 2-Mile Radius	0	1	2	3	4	5			1		5	
Buildings Within 2-Mile Radius	0	1	2	3	4	5			1		5	
Total Targets Score											24	
<b>[4]</b> Multiply <b>[1]</b> x <b>[2]</b> x <b>[3]</b>											1,440	
<b>[5]</b> Divide line <b>[4]</b> by 1,440 and multiply by 100										SFE =		

[illegible]

S DC -

# South Carolina Department of Health and Environmental Control

2600 Bull Street  
Columbia, S.C. 29201

Commissioner  
Michael D. Jarrett



**Board**  
Moses H. Clarkson, Jr., Chairman  
Oren L. Brady, Jr., Vice-Chairman  
Euta M. Colvin, M.D., Secretary  
Harry M. Hallman, Jr.  
Henry S. Jordan, M.D.  
Toney Graham, Jr. M.D.

## MEMORANDUM

TO: US EPA, Region IV  
345 Courtland Street  
Atlanta, GA 30365

FROM: John D. Cain  
(Portions revised by Charles S. Strange, Jr.)  
SCDHEC - CERCLA Program  
2600 Bull Street  
Columbia, SC 29201

RE: Sumter Inert Site

DATE: May 5, 1988

### I. EXECUTIVE SUMMARY

The Sumter Inert Site is located on Cook Street in Sumter, South Carolina approximately 1/2 mile south of Green Swamp Road. The approximate site coordinates are latitude 33 degrees, 54 minutes and 17 seconds while the longitude is 80 degrees, 21 minutes and 33 seconds.

This site consists of an old city landfill operated from 1958-1972 as basically a large open dump, typical of many landfill operations of that time period. The site (owned by the City of Sumter throughout its history) accepted any and all types of wastes including those that would today be considered hazardous. DHEC personnel observed on numerous occasions (in the early 1970's) tanker trucks disposing of bulk liquids at this site directly onto the ground. It should be noted here that by today's standards, this would be entirely unacceptable, however, at that time there were no hazardous waste management regulations in effect in South Carolina. The specific wastes believed to have been disposed of at this site include solvents, paint sludges and print dye wastes (containing varsol, chromium and possibly trace amounts of metals). All of the materials disposed of here were apparently generated by local industry and private individuals.

According to our records, this site has accepted only inert materials (limbs, leaves, stumps, etc.) since 1973. The site has been operated by the Sumter County Public Works Department since March 1971. It was issued a temporary permit to operate as a sanitary landfill from August 30, 1972 - July 1, 1973; this permit was never renewed. The site is still in use today, but as mentioned earlier, now accepts only inert and cellulosic materials.

We conducted a CERCLA Screening Site Inspection (SSI) at this site on Wednesday, September 30, 1987. We met Capers Dixon, DHEC Wateree District Consultant and Mark Blackmon, DHEC Wateree District Director, at the site around 1:30 p.m. The weather was clear and warm. We collected one soil sediment sample from the back (western) portion of the landfill, and sent it to our Central Laboratory for analysis.

The general topography of the area is flat, the soil in the area is generally sandy and the site is located very close to a swamp.

I recommend that this site receive a "High" priority for future action, which should include an expanded site inspection. At that time additional samples should be collected (sediment and stream) and several groundwater monitoring wells should be installed, into both the shallow and deep aquifers. The new data gathered from these operations will allow us to assess the site's impact on the local environment, and to also determine whether or not the shallow and deeper aquifers are hydrologically connected.

## II. BACKGROUND, SITE SPECIFICS

### A. Location

The Sumter Inert site is located in Sumter, S. C. on Cook Street 1/2 mile south of Green Swamp Road. The site coordinates are latitude 33 degrees, 54 minutes, and 17 seconds while the longitude is 80 degrees, 21 minutes, and 33 seconds.

### B. Site Layout

The site topography is relatively flat with area soils primarily sandy. The site is bounded on the Southwest by Green Swamp and on the North by Sooks Branch. The road into the site is secured by a gate and this gate is locked nightly or whenever the inert landfill is not in operation. The landfill is estimated to be roughly 20-25 acres in size.

In order to be certain of the impact that contaminants from this site have had on area groundwater, it will be necessary to have additional monitoring wells installed around the perimeter of the landfill. At this time, we have recent (1986) results from only one monitoring well located on the Southern portion of the landfill. This well is sampled periodically by Wateree District personnel, however, it is only 14 feet deep, slow to recharge and very difficult to sample properly for volatile organics. The samples from this well do show slight contamination with lead and iron, but no volatile organics. Based on the known history of past disposal practices at this site we would expect the shallow groundwater to show significant contamination with volatile organics, however, until we have more extensive groundwater samples, we cannot be certain of this. We are certain that the soil in some areas of the site are in fact saturated with volatile organics. This was confirmed in 1981 when a workman was overcome by fumes emanating from freshly dug soil (along the southern edge of the site) as a sewer line was being installed.

C. Ownership History

The Sumter Inert Site owner is the City of Sumter, their address is 115 North Harvin Street, Sumter, S.C. 29150. The City of Sumter has been the site owner throughout this property's history as a "landfill".

D. Site Use History

The Sumter Inert Site started out as the City of Sumter Landfill in 1958 when the city dump was moved from the Rittenburg Brickyard to the Cook Street location. It was owned and operated by the City of Sumter from 1958 until the Spring of 1971. During that time, the site accepted any and all types of wastes including those that would today be considered hazardous.

The Sumter County Public Works Department took over operation of the site in March 1971. The site continued to accepted all types of waste until the new Sumter County Landfill was opened in December 1973. From 1973 to the present, the Cook Street site has operated as an inert landfill accepting only inert and cellulosic materials.

E. Permit and Regulatory History

This site was issued a temporary permit to operate as a sanitary landfill dated August 30, 1972 to July 1, 1973. The site was not issued any other environmental permits nor was it the subject of any DHEC enforcement actions (primarily due to the fact that the landfill predated many of our regulations).

F. Remedial Actions to Date

A search of our files does not indicate any remedial actions performed at this site other than daily maintenance of the working face by earth moving equipment.

G. Summary Trip Report

We conducted a Screening Site Inspection (SSI) at Sumter Inert on Wednesday, September 30, 1987. Our team consisted of:

Myself - On Scene Coordinator  
Charles S. Strange - Site Safety Officer  
Judy Canova - Geologist  
Helen McGill - Documentation  
Craig Dukes - Decontamination  
Gerald Stewart - Decontamination

We met Capers Dixon, Wateree District Consultant and Mark Blackmon, Wateree District Director on site around 1:30 p.m. The weather was clear and warm. We were interested in collecting one sediment sample, so after a file search, we tried to target an area that would be the most likely to show contamination. The area where the workman was overcome by organic fumes, on the southern portion of the site, seemed to be our best bet. Charles Strange, Mark Blackmon, Capers Dixon and myself proceeded to the area where

the sewer line is buried and augered approximately one foot down, testing the excavated soil with the HNU photoionizer. We dug approximately 15-20 holes in an effort to get an HNU reading and were unsuccessful in that area. We decided to move approximately 400 feet north to an area at the back of the landfill located downgradient from the area where bulk liquids had been disposed of in the past. We augered two holes and the sediment excavated from both gave us small HNU readings. We then collected the sediment sample from the second hole we had augered at this spot, and sent the samples to our Central Laboratory for analysis.

We observed inert materials being deposited at the site by individuals and some local businesses as well.

#### H. Apparent Seriousness of Problem

At this time, we do not have nearly as much groundwater monitoring data for this site as we would like. The site had two very shallow monitoring wells, however, one of the wells has been lost over the years. Sample results from the remaining well shows slight lead and iron contamination. The fact that samples from this well (that is only 12-14 feet deep) do not show volatile organic contamination can most probably be attributed to the incorrect sampling technique used by the personnel collecting the samples.

It is my opinion that the potential impact this site could have on Sumter residents should not be understated. There were very significant quantities of liquid industrial waste deposited here from 1958-1971, before the advent of hazardous waste management regulations. Conservative estimates for the amount of liquids deposited here are upwards of 500,000 gallons over this thirteen year period. This site started out as an open dump and obviously has never had any liner or leachate collection system, therefore, any liquids that did not evaporate while on the surface have in all likelihood migrated downward into the area groundwater. Sumter residents are heavily dependent on groundwater, in fact all municipal water supplies come from wells located within the three mile radius of this site. Although most of public supply wells draw from the deeper aquifers, contaminants from this site could eventually migrate downward and contaminate those aquifers. In addition to the groundwater pathway, contaminants may also migrate to the surface water of nearby Sooks Branch and Green Swamp.

Locally, the shallow aquifer is a mixture of Black Mingo, Duplin, and undifferentiated Pliocene, Pleistocene, and Recent Alluvial deposits. It is 50 to 100 feet thick. Domestic wells in most of Sumter County are in this aquifer as are several unused municipal water wells. Depth to the aquifer of concern is three feet.

Memo to US EPA

May 5, 1988

Page 5

I recommend that this site receive a "High" priority for future action, which should include an expanded site inspection. At that time, additional samples should be collected (sediment, stream) and several groundwater monitoring wells should be installed, into both the shallow and deep aquifers. The new data gathered from these operations will allow us to assess the site's impact on the local environment, and to also determine whether or not the shallow and deeper aquifers are hydrologically connected.

CSSjr:elf

TO: T. W. Williams, San Diego

Bureau of Solid and Hazardous Waste

FROM: Mark T. Williams, District

Waste District 550C

SUBJECT: Smoky, Trinity Site

Smoky, Santa Catalina

21 May 1987

8 1987

S. C. DEPT. OF HEALTH AND  
ENVIRONMENTAL CONTROL  
Bureau of Solid & Hazardous  
Waste Management

Dear Sir:

Please find attached the Smoky area map showing the Trinity Site. I have shown in some likely areas where private wells are either known or suspected of being located. I spoke to the CG Engineer's office and Ed Hilde told me that it would be impossible to find all private wells that would possibly exist in the area of Santa Catalina. He feels that there may eventually be pretty good. I believe any underground source in the map that exists in an isolated area is in the area well. The amount of a good survey. The CGs presently only requires waste removal to the suspected the customer and of the underground well also do that to the same extent.

This is probably as good as we can do unless we go over there. Can't one of you send anything on this matter to Santa.

  
Mark T. Williams

RECEIVED

MAY 8 1987

S. C. DEPT. OF HEALTH AND  
ENVIRONMENTAL CONTROL  
Bureau of Solid & Hazardous  
Waste Management





POTENTIAL HAZARDOUS WASTE SITE  
SITE INSPECTION REPORT  
PART 1 - SITE LOCATION AND INSPECTION INFORMATION

I. IDENTIFICATION

01 STATE SC 02 SITE NUMBER D981474729

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site) Sumter Inert  
02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER 5 miles south of Green Swamp Rd. on Cook St.  
03 CITY Sumter  
04 STATE SC 05 ZIP CODE 29150 06 COUNTY Sumter  
07 COUNTY CODE 085 08 CONG DIST  
09 COORDINATES LATITUDE 33° 54' 17.7" LONGITUDE 80° 21' 33.7" W  
10 TYPE OF OWNERSHIP (Check one)  
☐ A. PRIVATE ☐ B. FEDERAL ☐ C. STATE ☐ D. COUNTY ☒ E. MUNICIPAL  
☐ F. OTHER ☐ G. UNKNOWN

III. INSPECTION INFORMATION

01 DATE OF INSPECTION 9/30/87  
MONTH DAY YEAR  
02 SITE STATUS  
☒ ACTIVE  
☐ INACTIVE  
03 YEARS OF OPERATION 1958 1973 1974-present inert materials only  
BEGINNING YEAR ENDING YEAR UNKNOWN

04 AGENCY PERFORMING INSPECTION (Check all that apply)

☐ A. EPA ☐ B. EPA CONTRACTOR (Name of firm) ☐ C. MUNICIPAL ☐ D. MUNICIPAL CONTRACTOR (Name of firm)  
☒ E. STATE ☐ F. STATE CONTRACTOR (Name of firm) ☐ G. OTHER (Specify)

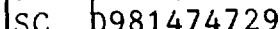
05 CHIEF INSPECTOR	06 TITLE	07 ORGANIZATION	08 TELEPHONE NO.
John Cain	Environmental Quality Manager (EQM)	SCDHEC	803 734-5200
09 OTHER INSPECTORS	10 TITLE	11 ORGANIZATION	12 TELEPHONE NO.
Charlie Strange	Environmental Quality Manager	SCDHEC	803 734-5200
Helen McGill	Environmental Quality Manager	SCDHEC	803 734-5200
Judy Canova	Geologist	SCDHEC	803 734-5200
Gerald Stewart	Environmental Quality Manager	SCDHEC	803 734-5200
Craig Dukes	Environmental Quality Manager	SCDHEC	803 734-5200

13 SITE REPRESENTATIVES INTERVIEWED	14 TITLE	15 ADDRESS	16 TELEPHONE NO.
			( )
			( )
			( )
			( )
			( )
			( )
			( )
			( )

17 ACCESS GAINED BY (Check one)  
☒ PERMISSION  
☐ WARRANT  
18 TIME OF INSPECTION Sept. 30, 1987 2:15 PM  
19 WEATHER CONDITIONS Clear and Warm

IV. INFORMATION AVAILABLE FROM

01 CONTACT	02 OF (Agency/Organization)	03 TELEPHONE NO.		
John Cain	SCDHEC-Solid & Hazardous waste	803 734-5200		
04 PERSON RESPONSIBLE FOR SITE INSPECTION FORM	05 AGENCY	06 ORGANIZATION	07 TELEPHONE NO.	08 DATE
Helen McGill	SCDHEC	BSHWM	(803) 734-5200	11/4/87 MONTH DAY YEAR



☐ I. HIGHLY VOLATILE  
☐ J. EXPLOSIVE  
☐ K. REACTIVE  
☐ L. INCOMPATIBLE  
☐ M. NOT APPLICABLE

SCDHEC sample results (9/21/86 and 6/29/81). Record of communication dated Nov. 5, 1987 between Bill Boswell, Santee Print and Helen McGill, SCDHEC, memorandum dated Nov. 10, 1987 from R. Lewis Shaw, Deputy Commissioner, Environmental Quality Control to Sumter Inert File, record of communication dated Nov. 12, 1987 between Roy McLaurin, Southern Coating, and Helen McGill concerning composition of wastes.



POTENTIAL HAZARDOUS WASTE SITE  
SITE INSPECTION REPORT

PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE SC 02 SITE NUMBER D981474729

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 ☒ A. GROUNDWATER CONTAMINATION 02 ☒ OBSERVED (DATE: 10/21/86) ☐ POTENTIAL ☐ ALLEGED  
03 POPULATION POTENTIALLY AFFECTED: 3511 04 NARRATIVE DESCRIPTION

Sampling of monitoring well on site by SCDHEC on 10/21/86 revealed elevated levels of the heavy metal lead (well - 14 ft. deep).

01 ☐ B. SURFACE WATER CONTAMINATION 02 ☐ OBSERVED (DATE: ) ☒ POTENTIAL ☐ ALLEGED  
03 POPULATION POTENTIALLY AFFECTED: Unknown? 04 NARRATIVE DESCRIPTION

Potential for waste materials to leach from the landfill into nearby surface water of Green Swamp Creek exists.

01 ☐ C. CONTAMINATION OF AIR 02 ☐ OBSERVED (DATE: ) ☐ POTENTIAL ☐ ALLEGED  
03 POPULATION POTENTIALLY AFFECTED: Unknown 04 NARRATIVE DESCRIPTION

No contamination of air has been observed by SCDHEC personnel who have made numerous inspections at the site.

01 ☒ D. FIRE/EXPLOSIVE CONDITIONS 02 ☐ OBSERVED (DATE: ) ☐ POTENTIAL ☒ ALLEGED  
03 POPULATION POTENTIALLY AFFECTED: Unknown 04 NARRATIVE DESCRIPTION

In years past, several incidents of small brush fires have been reported

01 ☐ E. DIRECT CONTACT 02 ☐ OBSERVED (DATE: ) ☒ POTENTIAL ☐ ALLEGED  
03 POPULATION POTENTIALLY AFFECTED: Unknown 04 NARRATIVE DESCRIPTION

Potential for direct contact is not likely unless excavation into the waste is attempted. (See worker exposure/injury).

01 ☐ F. CONTAMINATION OF SOIL 02 ☐ OBSERVED (DATE: ) ☒ POTENTIAL ☐ ALLEGED  
03 AREA POTENTIALLY AFFECTED: Unknown (Acres) 04 NARRATIVE DESCRIPTION

Liquid industrial waste routinely disposed at this unlined landfill has potentially contaminated soils on site.

01 ☒ G. DRINKING WATER CONTAMINATION 02 ☐ OBSERVED (DATE: ) ☒ POTENTIAL ☐ ALLEGED  
03 POPULATION POTENTIALLY AFFECTED: 3511 04 NARRATIVE DESCRIPTION

Potential for contamination of the shallow aquifer exists since most private wells in the area are less than 100 feet in depth. Lead contamination found in monitoring well on landfill site.

01 ☒ H. WORKER EXPOSURE/INJURY 02 ☒ OBSERVED (DATE: 10/80) ☐ POTENTIAL ☐ ALLEGED  
03 WORKERS POTENTIALLY AFFECTED: One 04 NARRATIVE DESCRIPTION

Past excavations to install a sewer line through the lower southwestern portion of the landfill resulted in the discovery of paint sludges and the solvents. One worker helping to install the sewer line was overcome by fumes emitted by the waste materials.

01 ☐ I. POPULATION EXPOSURE/INJURY 02 ☐ OBSERVED (DATE: ) ☐ POTENTIAL ☐ ALLEGED  
03 POPULATION POTENTIALLY AFFECTED: 2685 04 NARRATIVE DESCRIPTION

No population exposure injury has been observed by SCDHEC personnel.



POTENTIAL HAZARDOUS WASTE SITE  
SITE INSPECTION REPORT

PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE SC 02 SITE NUMBER D981474729

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 ☐ J. DAMAGE TO FLORA  
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

☒ POTENTIAL ☐ ALLEGED

Cypress and tupelo trees within the swamp area of the landfill could be potentially affected by landfill operations

01 ☐ K. DAMAGE TO FAUNA  
04 NARRATIVE DESCRIPTION (Include name(s) of species)

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

☐ POTENTIAL ☐ ALLEGED

No damage to any fauna within the immediate area has been observed by SCDHEC personnel.

01 ☐ L. CONTAMINATION OF FOOD CHAIN  
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

☐ POTENTIAL ☐ ALLEGED

No contamination of food chain has been observed to date.

01 ☒ M. UNSTABLE CONTAINMENT OF WASTES  
(Spills/Runoff/Standing liquids, Leaking drums)

02 ☐ OBSERVED (DATE: 3/5/70)

☐ POTENTIAL ☐ ALLEGED

03 POPULATION POTENTIALLY AFFECTED: Unknown 04 NARRATIVE DESCRIPTION

Prior to 1973 liquid industrial waste was routinely dumped into an unlined lagoon located within the landfill.

01 ☐ N. DAMAGE TO OFFSITE PROPERTY  
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

☐ POTENTIAL ☐ ALLEGED

No damage to offsite property has been reported based on previous site visits by SCDHEC personnel.

01 ☐ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs  
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

☐ POTENTIAL ☐ ALLEGED

None known.

01 ☒ P. ILLEGAL/UNAUTHORIZED DUMPING  
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: 5/3/72)

☐ POTENTIAL ☐ ALLEGED

Prior to the closure of this landfill in 1973 indiscriminate dumping of liquid and industrial waste was routinely reported.

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS

Potential for ground-water, surface water and sediments to become contaminated as a result of dumping practices from the past.

III. TOTAL POPULATION POTENTIALLY AFFECTED: 31,035

IV. COMMENTS

Recommend that a ground-water monitoring program be implemented at the site.

V. SOURCES OF INFORMATION (Cite specific references e.g. state files, sample analysis reports)

SCDHEC sample analysis, 10/29/86. SCDHEC CERCLA files. SCDHEC Wateree District files.



POTENTIAL HAZARDOUS WASTE SITE  
SITE INSPECTION  
PART 4 - PERMIT AND DESCRIPTIVE INFORMATION

I. IDENTIFICATION

01 STATE 02 SITE NUMBER  
SC D981474729

II. PERMIT INFORMATION

01 TYPE OF PERMIT ISSUED (Check all that apply)	02 PERMIT NUMBER	03 DATE ISSUED	04 EXPIRATION DATE	05 COMMENTS
<input type="checkbox"/> A. NPDES				
<input type="checkbox"/> B. UIC				
<input type="checkbox"/> C. AIR				
<input type="checkbox"/> D. RCRA				
<input type="checkbox"/> E. RCRA INTERIM STATUS				
<input type="checkbox"/> F. SPCC PLAN				
<input type="checkbox"/> G. STATE (Specify)				
<input type="checkbox"/> H. LOCAL (Specify)		8/30/72	-	
<input type="checkbox"/> I. OTHER (Specify)		7/1/73	temporary	
<input type="checkbox"/> J. NONE				

III. SITE DESCRIPTION

01 STORAGE/DISPOSAL (Check all that apply)	02 AMOUNT	03 UNIT OF MEASURE	04 TREATMENT (Check all that apply)	05 OTHER
<input type="checkbox"/> A. SURFACE IMPOUNDMENT			<input type="checkbox"/> A. INCENERATION	<input checked="" type="checkbox"/> A. BUILDINGS ON SITE
<input type="checkbox"/> B. PILES			<input type="checkbox"/> B. UNDERGROUND INJECTION	
<input type="checkbox"/> C. DRUMS, ABOVE GROUND			<input type="checkbox"/> C. CHEMICAL/PHYSICAL	
<input type="checkbox"/> D. TANK, ABOVE GROUND			<input type="checkbox"/> D. BIOLOGICAL	one
<input type="checkbox"/> E. TANK, BELOW GROUND			<input type="checkbox"/> E. WASTE OIL PROCESSING	06 AREA OF SITE
<input checked="" type="checkbox"/> F. LANDFILL	910,000	Gallons	<input type="checkbox"/> F. SOLVENT RECOVERY	2.5 (Acres)
<input type="checkbox"/> G. LANDFARM			<input type="checkbox"/> G. OTHER RECYCLING/RECOVERY	
<input type="checkbox"/> H. OPEN DUMP			<input type="checkbox"/> H. OTHER (Specify)	
<input type="checkbox"/> I. OTHER (Specify)				

07 COMMENTS

Unpermitted landfill that routinely was used to indiscriminately dump solvents and paint dyes. In 1973 when this problem became apparent, a temporary permit was granted until another landfill could be found to accept these wastes.

IV. CONTAINMENT

01 CONTAINMENT OF WASTES (Check one)

☐ A. ADEQUATE, SECURE    ☐ B. MODERATE    ☒ C. INADEQUATE, POOR    ☐ D. INSECURE, UNSOUND, DANGEROUS

02 DESCRIPTION OF DRUMS, DIKING, LINERS, BARRIERS, ETC.

Unlined landfill with inadequate cover and no leachate collection system.

V. ACCESSIBILITY

01 WASTE EASILY ACCESSIBLE: ☒ YES ☐ NO

02 COMMENTS

Landfill cover believed to be only 6 inches in certain areas.

VI. SOURCES OF INFORMATION (Cite specific references, e.g. state files, sample analysis reports)

SCDHEC files (Bureau of Solid & Hazardous Waste Management) CERCLA files  
Personal communication dated with Capers Dixon, Wateree District and  
Lee Rawl, Bureau of Solid and Hazardous Waste Management.



POTENTIAL HAZARDOUS WASTE SITE  
SITE INSPECTION REPORT  
PART 6 - SAMPLE AND FIELD INFORMATION

I. IDENTIFICATION

01 STATE | 02 SITE NUMBER  
SC | D981474729

II. SAMPLES TAKEN

SAMPLE TYPE	01 NUMBER OF SAMPLES TAKEN	02 SAMPLES SENT TO	03 ESTIMATED DATE RESULTS AVAILABLE
GROUNDWATER			
SURFACE WATER			
WASTE			
AIR			
RUNOFF			
SPILL			
SOIL	1	SCDHEC Central Laboratory	Apr' 87
VEGETATION			
OTHER			

III. FIELD MEASUREMENTS TAKEN

01 TYPE	02 COMMENTS

IV. PHOTOGRAPHS AND MAPS

01 TYPE <input checked="" type="checkbox"/> GROUND <input type="checkbox"/> AERIAL	02 IN CUSTODY OF <u>SCDHEC - Solid &amp; Haz Waste</u> <small>(Name of organization or individual)</small>
03 MAPS <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	04 LOCATION OF MAPS <u>SCDHEC - Solid and Hazardous Waste Management</u>

V. OTHER FIELD DATA COLLECTED (Provide narrative description)

Hnu photo ionizer, soil sample for stratigraphy profile

VI. SOURCES OF INFORMATION (Cite specific references, e.g., State files, sample analysis, reports)

Memo dated November 2, 1987, Helen McGill, Site Screening Section, to Sumter Inert file concerning Trip Report procedures.



POTENTIAL HAZARDOUS WASTE SITE  
SITE INSPECTION REPORT  
PART 7 - OWNER INFORMATION

I. IDENTIFICATION

01 STATE 02 SITE NUMBER  
SC 0981474729

II. CURRENT OWNER(S) & Operator 1958 -1971

PARENT COMPANY (if applicable)

01 NAME City of Sumter			02 D+B NUMBER			08 NAME N/A			09 D+B NUMBER		
03 STREET ADDRESS (P.O. Box, RFD #, etc.) 115 North Hardin St.			04 SIC CODE			10 STREET ADDRESS (P.O. Box, RFD #, etc.)			11 SIC CODE		
05 CITY Sumter		06 STATE SC	07 ZIP CODE 29150		12 CITY		13 STATE		14 ZIP CODE		
01 NAME N/A			02 D+B NUMBER			08 NAME			09 D+B NUMBER		
03 STREET ADDRESS (P.O. Box, RFD #, etc.)			04 SIC CODE			10 STREET ADDRESS (P.O. Box, RFD #, etc.)			11 SIC CODE		
05 CITY		06 STATE	07 ZIP CODE		12 CITY		13 STATE		14 ZIP CODE		
01 NAME			02 D+B NUMBER			08 NAME			09 D+B NUMBER		
03 STREET ADDRESS (P.O. Box, RFD #, etc.)			04 SIC CODE			10 STREET ADDRESS (P.O. Box, RFD #, etc.)			11 SIC CODE		
05 CITY		06 STATE	07 ZIP CODE		12 CITY		13 STATE		14 ZIP CODE		
01 NAME			02 D+B NUMBER			08 NAME			09 D+B NUMBER		
03 STREET ADDRESS (P.O. Box, RFD #, etc.)			04 SIC CODE			10 STREET ADDRESS (P.O. Box, RFD #, etc.)			11 SIC CODE		
05 CITY		06 STATE	07 ZIP CODE		12 CITY		13 STATE		14 ZIP CODE		
01 NAME			02 D+B NUMBER			08 NAME			09 D+B NUMBER		
03 STREET ADDRESS (P.O. Box, RFD #, etc.)			04 SIC CODE			10 STREET ADDRESS (P.O. Box, RFD #, etc.)			11 SIC CODE		
05 CITY		06 STATE	07 ZIP CODE		12 CITY		13 STATE		14 ZIP CODE		

III. PREVIOUS OWNER(S) (List most recent first)

IV. REALTY OWNER(S) (if applicable: list most recent first)

01 NAME N/A			02 D+B NUMBER			01 NAME N/A			02 D+B NUMBER		
03 STREET ADDRESS (P.O. Box, RFD #, etc.)			04 SIC CODE			03 STREET ADDRESS (P.O. Box, RFD #, etc.)			04 SIC CODE		
05 CITY		06 STATE	07 ZIP CODE		05 CITY		06 STATE		07 ZIP CODE		
01 NAME			02 D+B NUMBER			01 NAME			02 D+B NUMBER		
03 STREET ADDRESS (P.O. Box, RFD #, etc.)			04 SIC CODE			03 STREET ADDRESS (P.O. Box, RFD #, etc.)			04 SIC CODE		
05 CITY		06 STATE	07 ZIP CODE		05 CITY		06 STATE		07 ZIP CODE		
01 NAME			02 D+B NUMBER			01 NAME			02 D+B NUMBER		
03 STREET ADDRESS (P.O. Box, RFD #, etc.)			04 SIC CODE			03 STREET ADDRESS (P.O. Box, RFD #, etc.)			04 SIC CODE		
05 CITY		06 STATE	07 ZIP CODE		05 CITY		06 STATE		07 ZIP CODE		

V. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

SCDHEC CERCLA files  
SCDHEC Wateree District files



POTENTIAL HAZARDOUS WASTE SITE  
SITE INSPECTION REPORT  
PART 8 - OPERATOR INFORMATION

I. IDENTIFICATION

01 STATE 02 SITE NUMBER  
SC D981474729

II. CURRENT OPERATOR (Provide if different from owner)				OPERATOR'S PARENT COMPANY (If applicable)			
01 NAME Sumter County Public Works (773-9835)		02 D+B NUMBER		10 NAME		11 D+B NUMBER	
03 STREET ADDRESS (P.O. Box, RFD #, etc.) Route 8, Box 24		04 SIC CODE		12 STREET ADDRESS (P.O. Box, RFD #, etc.)		13 SIC CODE	
05 CITY Sumter		06 STATE SC	07 ZIP CODE 29150	14 CITY		15 STATE	16 ZIP CODE
08 YEARS OF OPERATION 1971 - Present 16 years		09 NAME OF OWNER City of Sumter					
III. PREVIOUS OPERATOR(S) (List most recent first; provide only if different from owner)				PREVIOUS OPERATORS' PARENT COMPANIES (If applicable)			
01 NAME City of Sumter		02 D+B NUMBER		10 NAME		11 D+B NUMBER	
03 STREET ADDRESS (P.O. Box, RFD #, etc.) 115 N. Harden St.		04 SIC CODE		12 STREET ADDRESS (P.O. Box, RFD #, etc.)		13 SIC CODE	
05 CITY Sumter		06 STATE SC	07 ZIP CODE 29150	14 CITY		15 STATE	16 ZIP CODE
08 YEARS OF OPERATION 1958 - 1971 13 years		09 NAME OF OWNER DURING THIS PERIOD City of Sumter					
01 NAME		02 D+B NUMBER		10 NAME		11 D+B NUMBER	
03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE		12 STREET ADDRESS (P.O. Box, RFD #, etc.)		13 SIC CODE	
05 CITY		06 STATE	07 ZIP CODE	14 CITY		15 STATE	16 ZIP CODE
08 YEARS OF OPERATION		09 NAME OF OWNER DURING THIS PERIOD					
01 NAME		02 D+B NUMBER		10 NAME		11 D+B NUMBER	
03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE		12 STREET ADDRESS (P.O. Box, RFD #, etc.)		13 SIC CODE	
05 CITY		06 STATE	07 ZIP CODE	14 CITY		15 STATE	16 ZIP CODE
08 YEARS OF OPERATION		09 NAME OF OWNER DURING THIS PERIOD					
IV. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)							
SCDHEC CERCLA files SCDHEC Wateree District files							





POTENTIAL HAZARDOUS WASTE SITE  
SITE INSPECTION REPORT  
PART 9 - GENERATOR/TRANSPORTER INFORMATION

I. IDENTIFICATION

01 STATE 02 SITE NUMBER  
SC D981474729

II. ON-SITE GENERATOR

01 NAME N/A	02 D+B NUMBER		
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE		
05 CITY	06 STATE	07 ZIP CODE	

III. OFF-SITE GENERATOR(S)

01 NAME Santee Print	02 D+B NUMBER	01 NAME N/A	02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.) P.O. Box 340	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY Sumter	06 STATE SC	07 ZIP CODE 29151	
01 NAME Southern Coating	02 D+B NUMBER	01 NAME	02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.) P.O. Box 160	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY Sumter	06 STATE SC	07 ZIP CODE 29150	

IV. TRANSPORTER(S)

01 NAME N/A	02 D+B NUMBER	01 NAME	02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY	06 STATE	07 ZIP CODE	
01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY	06 STATE	07 ZIP CODE	

V. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

SCDHEC CERLA files  
SCDHEC Wateree District files  
South Carolina Industrial Directory (1983).



POTENTIAL HAZARDOUS WASTE SITE  
SITE INSPECTION REPORT  
PART 10 - PAST RESPONSE ACTIVITIES

I. IDENTIFICATION

01 STATE 02 SITE NUMBER  
SC 0981474729

II. PAST RESPONSE ACTIVITIES

01 ☐ A. WATER SUPPLY CLOSED

04 DESCRIPTION

02 DATE

03 AGENCY

N/A

01 ☐ B. TEMPORARY WATER SUPPLY PROVIDED

04 DESCRIPTION

02 DATE

03 AGENCY

N/A

01 ☐ C. PERMANENT WATER SUPPLY PROVIDED

04 DESCRIPTION

02 DATE

03 AGENCY

N/A

01 ☐ D. SPILLED MATERIAL REMOVED

04 DESCRIPTION

02 DATE

03 AGENCY

N/A

01 ☐ E. CONTAMINATED SOIL REMOVED

04 DESCRIPTION

02 DATE

03 AGENCY

N/A

01 ☐ F. WASTE REPACKAGED

04 DESCRIPTION

02 DATE

03 AGENCY

N/A

01 ☐ G. WASTE DISPOSED ELSEWHERE

04 DESCRIPTION

02 DATE

03 AGENCY

N/A

01 ☐ H. ON SITE BURIAL

04 DESCRIPTION

02 DATE

03 AGENCY

N/A

01 ☐ I. IN SITU CHEMICAL TREATMENT

04 DESCRIPTION

02 DATE

03 AGENCY

N/A

01 ☐ J. IN SITU BIOLOGICAL TREATMENT

04 DESCRIPTION

02 DATE

03 AGENCY

N/A

01 ☐ K. IN SITU PHYSICAL TREATMENT

04 DESCRIPTION

02 DATE

03 AGENCY

N/A

01 ☐ L. ENCAPSULATION

04 DESCRIPTION

02 DATE

03 AGENCY

N/A

01 ☐ M. EMERGENCY WASTE TREATMENT

04 DESCRIPTION

02 DATE

03 AGENCY

N/A

01 ☐ N. CUTOFF WALLS

04 DESCRIPTION

02 DATE

03 AGENCY

N/A

01 ☐ O. EMERGENCY DIKING/SURFACE WATER DIVERSION

04 DESCRIPTION

02 DATE

03 AGENCY

N/A

01 ☐ P. CUTOFF TRENCHES/SUMP

04 DESCRIPTION

02 DATE

03 AGENCY

N/A

01 ☐ Q. SUBSURFACE CUTOFF WALL

04 DESCRIPTION

02 DATE

03 AGENCY

N/A



POTENTIAL HAZARDOUS WASTE SITE  
SITE INSPECTION REPORT  
PART 10 - PAST RESPONSE ACTIVITIES

I. IDENTIFICATION

01 STATE 02 SITE NUMBER  
SC D981474729

II PAST RESPONSE ACTIVITIES (Continued)

01 ☐ R. BARRIER WALLS CONSTRUCTED  
04 DESCRIPTION

02 DATE \_\_\_\_\_

03 AGENCY \_\_\_\_\_

N/A

01 ☐ S. CAPPING/COVERING  
04 DESCRIPTION

02 DATE \_\_\_\_\_

03 AGENCY \_\_\_\_\_

N/A

01 ☐ T. BULK TANKAGE REPAIRED  
04 DESCRIPTION

02 DATE \_\_\_\_\_

03 AGENCY \_\_\_\_\_

N/A

01 ☐ U. GROUT CURTAIN CONSTRUCTED  
04 DESCRIPTION

02 DATE \_\_\_\_\_

03 AGENCY \_\_\_\_\_

N/A

01 ☐ V. BOTTOM SEALED  
04 DESCRIPTION

02 DATE \_\_\_\_\_

03 AGENCY \_\_\_\_\_

N/A

01 ☐ W. GAS CONTROL  
04 DESCRIPTION

02 DATE \_\_\_\_\_

03 AGENCY \_\_\_\_\_

N/A

01 ☐ X. FIRE CONTROL  
04 DESCRIPTION

02 DATE \_\_\_\_\_

03 AGENCY \_\_\_\_\_

N/A

01 ☐ Y. LEACHATE TREATMENT  
04 DESCRIPTION

02 DATE \_\_\_\_\_

03 AGENCY \_\_\_\_\_

N/A

01 ☐ Z. AREA EVACUATED  
04 DESCRIPTION

02 DATE \_\_\_\_\_

03 AGENCY \_\_\_\_\_

N/A

01 ☐ 1. ACCESS TO SITE RESTRICTED  
04 DESCRIPTION

02 DATE \_\_\_\_\_

03 AGENCY \_\_\_\_\_

N/A

01 ☐ 2. POPULATION RELOCATED  
04 DESCRIPTION

02 DATE \_\_\_\_\_

03 AGENCY \_\_\_\_\_

N/A

01 ☒ 3. OTHER REMEDIAL ACTIVITIES  
04 DESCRIPTION

02 DATE \_\_\_\_\_

03 AGENCY \_\_\_\_\_

After July 1, 1973, Sumter Inert landfill began accepting only inert materials.

III. SOURCES OF INFORMATION (Cite specific references, e.g., State files, sample analysis reports)

SCDHEC files (Bureau of Solid & Hazardous Waste)  
SCDHEC CERCLA files  
SCDHEC Wateree District files



POTENTIAL HAZARDOUS WASTE SITE  
SITE INSPECTION REPORT  
PART 11 - ENFORCEMENT INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
SC	0981474729

II. ENFORCEMENT INFORMATION

01 PAST REGULATORY/ENFORCEMENT ACTION ☐ YES ☒ NO

02 DESCRIPTION OF FEDERAL, STATE, LOCAL REGULATORY/ENFORCEMENT ACTION

III. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

SCDHEC CERCLA files  
SCDHEC Wateree files



POTENTIAL HAZARDOUS WASTE SITE  
PRELIMINARY ASSESSMENT  
PART 1 - SITE INFORMATION AND ASSESSMENT

I. IDENTIFICATION

01 STATE SC 02 SITE NUMBER D981474729

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site) Sumter Inert Site		02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER .5 mi. South of Green Swamp Rd. on Cooks St.			
03 CITY Sumter	04 STATE SC	05 ZIP CODE 29150	06 COUNTY Sumter	07 COUNTY CODE 085	08 CONG DIST
09 COORDINATES LATITUDE 33° 54' 17.7		LONGITUDE 80° 21' 33.7W			

10 DIRECTIONS TO SITE (Starting from nearest public road) From the intersection of State Hwy. 120 and Green Swamp Rd. in Sumter, SC, turn right (east) onto Green Swamp Rd. and head approximately 1.2 miles. Turn right (south) onto Cooks Street and go approximately .5 miles south. Landfill is located on right side of Cooks Street.

III. RESPONSIBLE PARTIES

01 OWNER (if known) City of Sumter		02 STREET (Business, mailing, residential) 115 North Harvin Street			
03 CITY Sumter	04 STATE SC	05 ZIP CODE 29150	06 TELEPHONE NUMBER (803) 773-3371		
07 OPERATOR (if known and different from owner) Sumter County Public Works		08 STREET (Business, mailing, residential) Route 8, Box 24			
09 CITY Sumter	10 STATE SC	11 ZIP CODE 29150	12 TELEPHONE NUMBER (803) 773-9835		
13 TYPE OF OWNERSHIP (Check one) <input type="checkbox"/> A. PRIVATE <input type="checkbox"/> B. FEDERAL: _____ (Agency name) <input type="checkbox"/> C. STATE <input checked="" type="checkbox"/> D. COUNTY <input type="checkbox"/> E. MUNICIPAL <input type="checkbox"/> F. OTHER: _____ (Specify) <input type="checkbox"/> G. UNKNOWN					

14 OWNER/OPERATOR NOTIFICATION ON FILE (Check all that apply)  
☐ A. RCRA 3001 DATE RECEIVED: \_\_\_\_/\_\_\_\_/\_\_\_\_ MONTH DAY YEAR ☐ B. UNCONTROLLED WASTE SITE (CERCLA 103 c) DATE RECEIVED: \_\_\_\_/\_\_\_\_/\_\_\_\_ MONTH DAY YEAR ☒ C. NONE

IV. CHARACTERIZATION OF POTENTIAL HAZARD

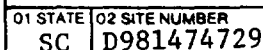
01 ON SITE INSPECTION <input checked="" type="checkbox"/> YES DATE 10/17/80 <input type="checkbox"/> NO MONTH DAY YEAR		BY (Check all that apply) <input type="checkbox"/> A. EPA <input type="checkbox"/> B. EPA CONTRACTOR <input checked="" type="checkbox"/> C. STATE <input type="checkbox"/> D. OTHER CONTRACTOR <input type="checkbox"/> E. LOCAL HEALTH OFFICIAL <input type="checkbox"/> F. OTHER: _____ (Specify)			
R. Capers Dixon		CONTRACTOR NAME(S): _____			
02 SITE STATUS (Check one) <input type="checkbox"/> A. ACTIVE <input checked="" type="checkbox"/> B. INACTIVE <input type="checkbox"/> C. UNKNOWN		03 YEARS OF OPERATION BEGINNING YEAR 1958 ENDING YEAR 1973 <input type="checkbox"/> UNKNOWN			
04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED Waste types disposed at this unpermitted landfill included print dye waste that contained varsol, copper, chromium and possible other heavy metals. Other substances possibly disposed at this site are paint sludges and solvents generated from local industries.					
05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION Potential for contaminants to runoff and leach into the nearby surface waters and sediments exist. Leachate could also be contaminating the shallow aquifer system below the site.					

V. PRIORITY ASSESSMENT

01 PRIORITY FOR INSPECTION (Check one. If high or medium is checked, complete Part 2 - Waste Information and Part 3 - Description of Hazardous Conditions and Incidents)  
☐ A. HIGH (Inspection required promptly) ☒ B. MEDIUM (Inspection required) ☐ C. LOW (Inspect on time available basis) ☐ D. NONE (No further action needed. Complete current disposition form)

VI. INFORMATION AVAILABLE FROM

01 CONTACT Chris Lock	02 OF (Agency/Organization) SCDHEC Wateree District		03 TELEPHONE NUMBER (803) 778-6548	
04 PERSON RESPONSIBLE FOR ASSESSMENT Jeff Williams	05 AGENCY BSHWM	06 ORGANIZATION SCDHEC	07 TELEPHONE NUMBER (803) 734-5200	08 DATE 05 / 15 87 MONTH DAY YEAR

[illegible]



POTENTIAL HAZARDOUS WASTE SITE  
PRELIMINARY ASSESSMENT

PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE 02 SITE NUMBER

SC D981474729

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 ☒ A. GROUNDWATER CONTAMINATION

03 POPULATION POTENTIALLY AFFECTED: 100

02 ☒ OBSERVED (DATE: 10-21-86)

☐ POTENTIAL

☐ ALLEGED

04 NARRATIVE DESCRIPTION

Sampling of monitoring wells on site by Chris Lock of SCDHEC on 10-21-86 revealed elevated levels of the heavy metal lead. Approximately 100 residents are believed to rely on shallow private wells within the immediate area.

01 ☒ B. SURFACE WATER CONTAMINATION

03 POPULATION POTENTIALLY AFFECTED: 100000

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

☒ POTENTIAL

☐ ALLEGED

04 NARRATIVE DESCRIPTION

Potential for waste materials to leach from the landfill into the nearby surface waters of Green Swamp Creek exist. No on site sampling of this Creek has been conducted to date.

01 ☐ C. CONTAMINATION OF AIR

03 POPULATION POTENTIALLY AFFECTED: 100000

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

☐ POTENTIAL

☐ ALLEGED

04 NARRATIVE DESCRIPTION

No contamination of air has been observed or reported by SCDHEC personnel who have made numerous inspections at the site.

01 ☐ D. FIRE/EXPLOSIVE CONDITIONS

03 POPULATION POTENTIALLY AFFECTED: 100000

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

☐ POTENTIAL

☐ ALLEGED

04 NARRATIVE DESCRIPTION

No potential for fire or explosive conditions have been observed or reported by SCDHEC personnel.

01 ☐ E. DIRECT CONTACT

03 POPULATION POTENTIALLY AFFECTED: \_\_\_\_\_

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

☐ POTENTIAL

☐ ALLEGED

04 NARRATIVE DESCRIPTION

Potential for direct contact is not likely since most waste materials have been landfilled with adequate earth cover materials.

01 ☒ F. CONTAMINATION OF SOIL

03 AREA POTENTIALLY AFFECTED: unknown

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

☐ POTENTIAL

☐ ALLEGED

04 NARRATIVE DESCRIPTION

Liquid industrial waste routinely disposed at this unlined landfill has potentially contaminated soils on site.

01 ☒ G. DRINKING WATER CONTAMINATION

03 POPULATION POTENTIALLY AFFECTED: \_\_\_\_\_

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

☒ POTENTIAL

☐ ALLEGED

04 NARRATIVE DESCRIPTION

Potential for contamination of the shallow drinking water aquifer exist since most private wells in the area are less than 100 feet in depth.

01 ☒ H. WORKER EXPOSURE/INJURY

03 WORKERS POTENTIALLY AFFECTED: one

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

☒ POTENTIAL

☐ ALLEGED

04 NARRATIVE DESCRIPTION

Recent excavations to install a sewer line through the lower portion of the landfill resulted in the discovery of paint sludges and solvents. One worker helping to install the sewer line was overcome by fumes emitted by the waste materials.

01 ☐ I. POPULATION EXPOSURE/INJURY

03 POPULATION POTENTIALLY AFFECTED: \_\_\_\_\_

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

☐ POTENTIAL

☐ ALLEGED

04 NARRATIVE DESCRIPTION

No population exposure injury has been observed or reported by SCDHEC personnel, who have made numerous visits to the site.



POTENTIAL HAZARDOUS WASTE SITE  
PRELIMINARY ASSESSMENT

PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE SC 02 SITE NUMBER D981474729

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 ☒ J. DAMAGE TO FLORA 02 ☐ OBSERVED (DATE: \_\_\_\_\_) ☒ POTENTIAL ☐ ALLEGED  
04 NARRATIVE DESCRIPTION  
Several cypress and tupelo trees within the swamp area of the landfill could be potentially affected by the landfill operations.

01 ☐ K. DAMAGE TO FAUNA 02 ☐ OBSERVED (DATE: \_\_\_\_\_) ☐ POTENTIAL ☐ ALLEGED  
04 NARRATIVE DESCRIPTION (include name(s) of species)  
No damage to any fauna within the immediate area has been reported or observed by SCDHEC personnel to date.

01 ☐ L. CONTAMINATION OF FOOD CHAIN 02 ☐ OBSERVED (DATE: \_\_\_\_\_) ☐ POTENTIAL ☐ ALLEGED  
04 NARRATIVE DESCRIPTION  
No contamination of the food chain has been reported or observed by SCDHEC personnel Chris Lock of the Wateree District.

01 ☒ M. UNSTABLE CONTAINMENT OF WASTES 02 ☒ OBSERVED (DATE: 03/05/70) ☐ POTENTIAL ☐ ALLEGED  
(Spills/runoff, standing liquids/leaking drums)  
03 POPULATION POTENTIALLY AFFECTED: 100 04 NARRATIVE DESCRIPTION  
Prior to 1973 liquid industrial waste was routinely dumped into an unlined lagoon located within the landfill.

01 ☐ N. DAMAGE TO OFFSITE PROPERTY 02 ☐ OBSERVED (DATE: \_\_\_\_\_) ☐ POTENTIAL ☐ ALLEGED  
04 NARRATIVE DESCRIPTION  
No damage to offsite property has been reported or observed based on previous site visits by SCDHEC personnel.

01 ☐ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs 02 ☐ OBSERVED (DATE: \_\_\_\_\_) ☐ POTENTIAL ☐ ALLEGED  
04 NARRATIVE DESCRIPTION  
No contamination of sewers, storm drains or WWTP's have been reported or observed by SCDHEC's Capers Dixon of the Wateree District.

01 ☒ P. ILLEGAL/UNAUTHORIZED DUMPING 02 ☒ OBSERVED (DATE: 05-03-72) ☐ POTENTIAL ☐ ALLEGED  
04 NARRATIVE DESCRIPTION  
Prior to the closure of this landfill in 1973 indiscriminate dumping of liquid and industrial waste was routinely reported.

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS  
Potential for groundwater, surface water and sediments to become contaminated as a result of past disposal practices exist.

III. TOTAL POPULATION POTENTIALLY AFFECTED: UNKNOWN

IV. COMMENTS

This site has been assessed a "medium priority" for a site inspection based on a high Preliminary HRS draft score.

V. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

SCDHEC Sample Analysis 10-29-86 - Sumter Inert Landfill  
SCDHEC Wateree District Files - Sumter Inert Site - Sumter County



REGION: 04  
STATE : SC

U.S. ENVIRONMENTAL PROTECTION AGENCY  
OFFICE OF EMERGENCY AND REMEDIAL RESPONSE  
C E R C L I S V 1.2

PAGE: 103  
RUN DATE: 12/12/86  
RUN TIME: 12:35:57

M.2 - SITE MAINTENANCE FORM

		* ACTION: _	*
EPA ID : SCD981474729			
SITE NAME: SUMTER INERT SITE	SOURCE: T	* _____	*
STREET : COOKS ST.(SEE CM FORM)	CONG DIST: 05	* _____	*
CITY : SUMTER	ZIP: 29150	* _____	*
CNTY NAME: SUMTER	CNTY CODE : 085	* _____	*
LATITUDE : 33/54/17.0	LONGITUDE : 080/21/33.2	* _/_/_._	*
LL-SOURCE: R	LL-ACCURACY:	* _	*
SMSA :	HYDRO UNIT: 03040205	* _____	*
INVENTORY IND: Y	REMEDIAL IND: Y	REMOVAL IND: N	FED FAC IND: N
NPL IND: N	NPL LISTING DATE:	NPL DELISTING DATE:	
SITE/SPILL IDS:			
RPM NAME: RAY WILKERSON	RPM PHONE: 404-347-2234	* _____	*
SITE CLASSIFICATION:	SITE APPROACH:	* _	*
DIOXIN TIER:	REG FLD1:	REG FLD2:	
RESP TERM: PENDING ( )	NO FURTHER ACTION ( )	* PENDING ( )	NO FURTHER ACTION ( )
ENF DISP: NO VIABLE RESP PARTY ( )	VOLUNTARY RESPONSE ( )	* _	
ENFORCED RESPONSE ( )	COST RECOVERY ( )	* _	
SITE DESCRIPTION:			
	* _____		
	* _____		
	* _____		
	* _____		

REGION: 04  
STATE : SC

U.S. ENVIRONMENTAL PROTECTION AGENCY  
OFFICE OF EMERGENCY AND REMEDIAL RESPONSE  
C E R C L I S V 1.2

PAGE: 104  
RUN DATE: 12/12/86  
RUN TIME: 12:35:57

M.2 - PROGRAM MAINTENANCE FORM

SITE:	SUMTER INERT SITE	* ACTION: _	*
EPA ID:	SCD981474729	PROGRAM CODE: H01	PROGRAM TYPE: _ *
PROGRAM QUALIFIER:	ALIAS LINK :	* _	*
PROGRAM NAME:	SITE EVALUATION	* _____	*
DESCRIPTION:		* _____	*
		* _____	*
		* _____	*
		* _____	*

REGION: 04  
STATE : SC

U.S. ENVIRONMENTAL PROTECTION AGENCY  
OFFICE OF EMERGENCY AND REMEDIAL RESPONSE  
C E R C L I S V 1.2

PAGE: 105  
RUN DATE: 12/12/86  
RUN TIME: 12:35:57

M.2 - EVENT MAINTENANCE FORM

\* ACTION: \_

SITE: SUMTER INERT SITE  
PROGRAM: SITE EVALUATION

EPA ID: SCD981474729 PROGRAM CODE: H01

EVENT TYPE: DS1

FMS CODE: EVENT QUALIFIER :

EVENT LEAD: S

EVENT NAME: DISCOVERY

STATUS:

DESCRIPTION:

\* \_ \_ \_ \_ \_ \*

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\* \_ \_ \_ \_ \_ \*

ORIGINAL

CURRENT

ACTUAL

START:

START:

START:

\* \_/\_/\_/\_ \_/\_/\_/\_ \_/\_/\_/\_ \*

COMP :

COMP :

COMP : 05/15/86

\* \_/\_/\_/\_ \_/\_/\_/\_ \_/\_/\_/\_ \*

HQ COMMENT:

\* \_ \_ \_ \_ \_ \*

RG COMMENT:

\* \_ \_ \_ \_ \_ \*

COOP AGR #

AMENDMENT #

STATUS

STATE %

0

\* \_ \_ \_ \_ \_ \*

REGION: 04  
STATE : SC

U.S. ENVIRONMENTAL PROTECTION AGENCY  
OFFICE OF EMERGENCY AND REMEDIAL RESPONSE  
C E R C L I S V 1.2

PAGE: 106  
RUN DATE: 12/12/86  
RUN TIME: 12:35:57

M.2 - COMMENT MAINTENANCE FORM

SITE: SUMTER INERT SITE

EPA ID: SCD981474729

COM  
NO COMMENT

ACTION

001 DISTRICT NAME: WATEREE

\*

—

\*

002 LOCATION 0.5MI SOUTH OF

\*

—

\*

003 GREEN SWAMP RD ON COOKS ST.

\*

—

\*

004 POSSIBILITY THAT HAZARDOUS

\*

—

\*

005 WASTE MAY BE PRESENT ON SITE.

\*

—

\*

006 ALSO, GOOD CHANCE THAT GROUND-

\*

—

\*

007 WATER, MAY BE CONTAMINATED;

\*

—

\*

008 ALSO NEARBY GREEN SWAMP CREEK.

\*

—

\*

009 X

\*

—

\*

010 CITY OF SUMTER LANDFILL;

\*

—

\*

011 GARABARE AND OTHER WASTE USE TO

\*

—

\*

012 BE CARRIED TO THIS SITE. NOW ONLY

\*

—

\*

REGION: 04  
STATE : SC

U.S. ENVIRONMENTAL PROTECTION AGENCY  
OFFICE OF EMERGENCY AND REMEDIAL RESPONSE  
C E R C L I S V 1.2

PAGE: 107  
RUN DATE: 12/12/86  
RUN TIME: 12:35:57

M.2 - COMMENT MAINTENANCE FORM

SITE: SUMTER INERT SITE

EPA ID: SCD981474729

COM  
NO

COMMENT

ACTION

013 INERT WASTE IS SUPPOSE TO BE CARRIE

D

014 THEIR. THIS SITE BORDERS GREEN SWAM

P

015 CREEK.

*	—	_____	*
*		_____	*
*	—	_____	*
*		_____	*
*	—	_____	*
*		_____	*

# SITE DISCOVERY FORM

## Part 1: Information necessary to add a site to CERCLIS

ACTION: A

98-147-4729

EPA ID: SCD

SITE NAME: Sumter Inert Site

SOURCE: T (R=EPA, T=STATE)

STREET: 0.5 mile South of Green Swamp Rd on Cooks St. CONG DIST: 05

CITY: Sumter

ZIP: 29150 -

JUN 11 1986

CNTY NAME: Sumter

CNTY CODE: 085

LATITUDE: 33° / 54' / 17.0" LONGITUDE: 080° / 21' / 33.2"

INVENTORY IND: Y REMEDIAL IND: Y REMOVAL IND: N FED FAC IND: N

RPM NAME: \_\_\_\_\_ RPM PHONE: \_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ (EPA Project Office)

### SITE DESCRIPTION:

City of Sumter landfill; garabage and other waste  
use to be carried to this site. Now only Inert waste  
is suppose to be carried their. This site borders  
Green Swamp Creek.

DISTRICT NAME: Waterce

## Part 2: Other site information

DATE SITE FIRST

REPORTED: 05/15/86 REPORTED BY: \_\_\_\_\_

REASON FOR LISTING: Possibility that hazardous waste may be  
present on site. Also, good chance that groundwater may be contami  
ated; also nearby Green Swamp Creek.

# South Carolina Department of Health and Environmental Control

2600 Bull Street  
Columbia, S.C. 29201

Commissioner  
Robert S. Jackson, M.D.



Board  
Moses H. Clarkson, Jr., Chairman  
Leonard W. Douglas, M.D., Vice-Chairman  
Barbara P. Nuessle, Secretary  
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Oren L. Brady, Jr.  
James A. Spruill, Jr.

## MEMORANDUM

TO: Chris Lock  
Solid & Hazardous Waste-Wateree District

FROM: Mike Marcus *Mike Marcus*  
Stream and Facility Monitoring

SUBJECT: Chemical Analyses from Green Swamp  
Sumter County

DATE: December 19, 1983

RECEIVED 12 22 83

Per our phone conversation of last week, you will find the results of chemical analyses conducted on sediment samples collected from two stations in Green Swamp on July 7, 1982. The samples were collected with a hand corer and reflect the sediment layer approximately three feet underneath the water/sediment interface.

### A. Station Locations (see attached map)

Station 01 - Green Swamp downstream from Seaboard Coastline Railroad trestle near the left edge of water in a large natural pooled area.

Station 02 - Green Swamp shortly upstream from the Seaboard Coastline Railroad trestle near the left edge of water.

### B. Analytical Results

Parameter	Station 01	Station 02
pH, SU	5.4	5.0
% volatile solids	22.7	17.7
Petroleum hydrocarbons, mg/kg	377	673
Cadmium, mg/kg	<1.0	<1.0
Chromium, mg/kg	<5.0	5.0
Copper, mg/kg	<5.0	17
Mercury, mg/kg	<0.25	<0.25
Manganese, mg/kg	8.0	14
Nickel, mg/kg	<5.0	<5.0
Lead, mg/kg	12	21
Zinc, mg/kg	5.0	24

Memorandum to Chris Lock

Page 2

December 19, 1983

I hope this information will be useful to you. If I can answer any questions or provide any further assistance, please contact me.

MM/al





# South Carolina Department of Health and Environmental Control

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COMMISSIONER  
Robert S. Jackson, M.D.  
2600 Bull Street  
Columbia, S.C. 29201

November 3, 1981

Senator Phil P. Leventis  
State Senate  
P.O. Box 142  
Columbia, S.C. 29202

RE: Your letter of October 7, 1981 Referring to the Old Sumter City Dump

Dear Senator Leventis:

I received your letter of October 7, 1981 to Dr. Jackson and understand your concerns about the potential impact of the old Sumter landfill near Green Swamp on tree growth in the Pocotaligo Swamp. As you know that landfill was used by Santee Print Works to dispose of waste dye paste until August 1973. That dye waste contained varsol, copper, chromium and possibly other heavy metals. We are not certain whether material is leaching from the landfill and affecting the swamp or whether it impacted the swamp in the early seventies.

We are continuing to investigate the possible impact from the landfill. Chester Sansbury will be visiting the site on Thursday, November 5 and will meet Capers Dixon at our District Office at 1:30 p.m. They will be glad for you to accompany them if it suits your schedule. It should only take about 1½ hours. After this visit we will decide what additional sampling should be pursued. We are also doing a search of published literature concerning the effects of heavy metals on tree growth (Cypress and Tupelo).

We will keep you informed of the progress of our studies. Meanwhile, if you need additional information feel free to contact me or Chester Sansbury at 758-5496.

Sincerely,



John E. Jenkins, P.E.  
Deputy Commissioner  
Environmental Quality Control

JEJ:bg

cc: Dr. Robert S. Jackson  
Mr. Capers Dixon ✓  
Mr. Robert Malpass  
Mr. Lewis Shaw  
Mr. Donald Duncan  
Mr. Chester Sansbury

# South Carolina Department of Health and Environmental Control

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COMMISSIONER  
Robert S. Jackson, M.D.  
2600 Bull Street  
Columbia, S. C. 29201

April 27, 1981

## MEMORANDUM

TO: Don Duncan, Director  
Division of Ground Water Protection  
EQC

FROM: R. Capers Dixon *RCD*  
Dist. Solid & Hazardous Waste Consultant  
Wateree District

SUBJECT: Sumter Inert Waste Disposal Site  
Cooks Street, Sumter County

Recently, a new sewer line was installed through the lower portion of the above referenced site. During the installation process quantities of waste material which appeared to be paint sludge and solvent wastes was excavated. Several years ago this site was known as the City of Sumter Landfill. At that time, it is believed that possibly large amounts of industrial wastes and other materials which may now be classified as hazardous wastes by the South Carolina Hazardous Waste Management Regulations promulgated March 31, 1980, may have been disposed of at the site.

Also, it has come to the attention of this office that one person helping to install the sewer line was overcome by the fumes emitted by the waste materials. This site is located approximately four thousand five hundred (4500) feet from a city ground water well. Consequently, a hydro-geological study may be necessary.

RCD/hl

*RCD*  
APR 28 1981  
SOUTH CAROLINA DEPARTMENT OF HEALTH AND  
ENVIRONMENTAL CONTROL  
Bureau of Solid & Hazardous  
Waste Management

HRS DRAFT SCORE SHEET (See US EPA HRS User's Manual for Assigned Values.)

Site Name: Sumter Inert Site

EPA ID #: SCD 981 474 729

Ground Water Score: Deepen Aquifer - not connected to shallow

$$[ DGW ( 2 ) + 7 ] [ 3 ] [ T/P + WQGW ] [ 9 + D/P ] [ 100 ]$$

$$\underline{53.87} = S(gw) = \frac{\quad}{57,330}$$

0 = DGW = "Depth to Aquifer of Concern" Score >150' deep - municipal wells 4

18 = T/P = "Toxicity / Persistence" Score 10-29-86 Sample Analysis

8 = WQGW = "Waste Quantity Score" ( Use "1" if NO Quantity is Known )

35 = D/P = "Distance to Nearest Well / Population" Score municipal wells depths  
U.S.G.S Topographic maps  
SCWRC Report # 833  
4-30-87 Tele memo.  
To: Andy Lumber

Surface Water Score:

$$[ DSW ( 2 ) + 7 ] [ 3 ] [ T/P + WQSW ] [ 9 + P/D ] [ 100 ]$$

$$\underline{14.18} = S(sw) = \frac{\quad}{64,350}$$

3 = DSW = Distance to Nearest "Downhill" Surface Water Score U.S.G.S Topographic Map

18 = T/P = "Toxicity / Persistence" Score Lead

8 = WQSW = "Waste Quantity Score" ( Use "1" if NO Quantity is Known ) >10,000

0 = P/D = "Population / Stream Distance to Intake" Score falling  
U.S.G.S Topographic map.

DRAFT HRS SCORE \*

$$[ S(gw)^2 + S(sw)^2 + S(a)^2 ] .5$$

$$\underline{32.19} = S(m) = \frac{\quad}{1.73}$$

\*Note comments on factors used and add S(a) for Air Route when necessary.

## HRS DRAFT SCORE SHEET

(See US EPA HRS User's Manual for Assigned Values.)

Site Name: Sumter Inert SiteEPA ID #: SCD 981 474 729Ground Water Score: Shallow Aquifer

$$29.93 = S(gw) = \frac{[ DGW ( 2 ) + 7 ] [ 3 ] [ T/P + WQGW ] [ 9 + D/P ] [ 100 ]}{57,330}$$

- 2 = DGW = "Depth to Aquifer of Concern" Score - shallow aquifer, - well depth (50-100')  
 18 = T/P = "Toxicity / Persistence" Score 10-29-86 - Sample Analysis (Lead)  
 8 = WQGW = "Waste Quantity Score" ( Use "1" if NO Quantity is Known ) > 10,000 gallons  
 20 = D/P = "Distance to Nearest Well / Population" Score U.S.G.S. 3 mile Topographic map

Surface Water Score:

$$14.18 = S(sw) = \frac{[ DSW ( 2 ) + 7 ] [ 3 ] [ T/P + WQSW ] [ 9 + P/D ] [ 100 ]}{64,350}$$

- 3 = DSW = Distance to Nearest "Downhill" Surface Water Score U.S.G.S. Topographic map  
 18 = T/P = "Toxicity / Persistence" Score Lead (10-29-86 - Sample Analysis)  
 8 = WQSW = "Waste Quantity Score" ( Use "1" if NO Quantity is Known ) > 10,000 gallons  
 0 = P/D = "Population / Stream Distance to Intake" Score U.S.G.S. Topographic map

DRAFT HRS SCORE \*

$$19.14 = S(m) = \frac{[ S(gw)^2 + S(sw)^2 + S(a)^2 ] .5}{1.73}$$

\*Note comments on factors used and add S(a) for Air Route when necessary.

# South Carolina Department of Health and Environmental Control

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COMMISSIONER  
Robert S. Jackson, M.D.  
2600 Bull Street  
Columbia, S. C. 29201

October 27, 1980

Mr. James B. Wall  
Supervisor, Sumter County Sanitation  
Route 8, Box 24  
Sumter, South Carolina 29150

Re: Sumter Co. Inert Waste Disposal Site

Dear Mr. Wall:

On October 17, 1980, I attempted to sample for methane gas in the area immediately surrounding the employee's building at the Sumter Inert Waste Disposal site. An adequate determination could not be made from the sampling probe due to the water saturated subsurface. However, a partial reading indicated the presence of methane gas.

Since the area contains organic waste and the percent of methane gas normally increases with moisture, conditions may be extremely good for the production of methane gas. Furthermore, the construction of the employee's building does not allow for adequate ventilation between the ground and building floor. If the gas is allowed to seep through the floor and concentrate within the building, methane gas related explosions or fires are likely to occur. Therefore, I strongly suggest steps be taken to insure proper ventilation and repairs be made to the floor of the building to deter gas buildup.

In addition, an inspection of the landfill operation was made on October 23, 1980, and the following conditions were found:

1. A large accumulation of uncompacted waste was found due to the lack of proper equipment. Often, I have found this to be the case during the past year. Serious consideration should be given toward purchasing and permanently assigning a bulldozer to the site. Then if extenuating circumstances occur elsewhere in the County, the bulldozer could be used for short periods of time as back-up equipment, without its absence being a real detriment to the landfill.

Mr. James B. Wall  
October 27, 1980  
Page 2

2. Too much garbage and paper waste has entered the site. Since a large portion of this problem has come from the City trucks, I have contacted Lester Mathis concerning the situation.

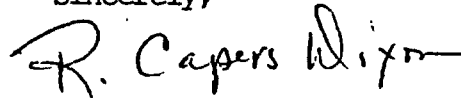
3. Excavations to install the new City sewer line revealed that waste has been previously buried in or near the water table. Drums containing chemicals, such as paint sludges and solvents, were uncovered.

Although the condition of the Sumter inert waste disposal site leaves much to be desired, I am pleased to report that my recent inspections of the County's sanitary landfill revealed an improved operation. For the most part, the employees seem to be following a final elevation plan during their daily operation.

Also, rough grading for proper surface water run-off has improved. A motor grader is still needed at more regular intervals to better grade the site.

I appreciate your past cooperation in solid waste matters. If I can be of any service please let me know.

Sincerely,



R. Capers Dixon  
Environmental Quality Manager  
Wateree District EQC  
778-1531

cc: Hartsill Truesdale

RCD/hl

Division of Solid and Hazardous Waste Management  
S.C. Department of Health and Environmental Control  
Columbia, South Carolina 29201

LANDFILL FACILITY FORM

Survey Date 10/15/80 Recorder R. CAPERS DIXON

Person(s) Interviewed: JAMES B WALL

Phone No. 495-3314

OR  
Phone No. 773-9835

DESCRIPTION:

Facility Name: SUMTER INERT WASTE DISPOSAL SITE

Location: OFF COOKS ST. SUMTER, S.C.

Owner: CITY OF SUMTER

Operator: JAMES B WALL

DHEC Permit No: VARIANCE

% Pop. of County/Municipality Served: 100 %

OPERATIONS:

Open: 9 hrs/day 6 days/wk

Estimated Quantity of Wastes Received: \_\_\_\_\_ tons/year

21000 LOADS/YR

or  
\_\_\_\_\_ cu yds/year

SIZE OF LOAD VARY FROM SMALL TRAILER TO BIG TRUCK

Estimated Life of Site: 5 yrs.

Vector Control Program: PERIODIC COVER

GARBAGE KEPT OUT - AT LEAST TO MINIMUM

Fire Control Program: PERIODIC COVER

Cover Material Adequacy: ADEQUATE

Special Wastes Received: \_\_\_\_\_ tons/yr

ONLY CELLULOSIC

AND INERT WASTE;

\_\_\_\_\_ tons/yr

\_\_\_\_\_ tons/yr

\_\_\_\_\_ tons/yr

Groundwater Monitoring Program 1 H<sub>2</sub>O MONITOR WELL  
QUARTERLY BY DHEC



LANDFILL FACILITY (CONT) CONTINUED

CONTROLS:

Restrictions/Ordinances: NO SCAVENGING OF

HAZARDOUS WASTE GARBAGE OR PAPER. —  
ONLY CELLULOSIC AND INERT MATERIALS.

Private Collectors: NONE <sup>No.</sup> Franchised — <sup>No.</sup> Licensed/permitting  
— <sup>No.</sup> known not controlled

Access: DIRT ROAD, FENCE AND GATE

Site Maintenance: SPREAD, COMPACT, COVER,  
PROMOTE VEGETATION

RESOURCES:

Equipment: 1 BULLDOZER (PART TIME)

Manpower: 2 Man years

Budget: INCLUDED WITH Operations/Maintenance

SUNTER CO. LANDFILL DWPO91

Amortization of Capital Costs

Type Wastes	Municipal	Private Hauler	Individual
Fees: <u>NONE</u>	<u>—</u> \$/ton	<u>—</u> \$/ton	<u>—</u> \$/ton
<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>
<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>

RECOVERY:

Waste Materials: (1) NONE Tons/Yr —  
 (2) —  
 (3) —

Market: (1) NONE Rate \$/ton —  
 (2) —  
 (3) —

LANDFILL FACILITY FORM CONTINUED

CLASSIFICATION

Expected EPA Classification: PERMITTED INERT SITE (2)  
SEE COMMENTS

CURRENT ENFORCEMENT ACTION

Recommended for legal action \_\_\_\_\_

Case being prepared \_\_\_\_\_

Commissioner's Order Issued \_\_\_\_\_

Referred to Attorney General \_\_\_\_\_

Under Court Order \_\_\_\_\_

REMARKS:

This site was opened in 1958. Chemicals were dumped into site by tanker trucks AND brought into site in drums. Since the site has a high water table, chemicals probably have leached into water table. Some of the chemicals are paint sludges, solvents and dye wastes.

A recent excavation of site to put in new city sewer line exposed drums of chemicals. Some monitor wells are needed to determine extent of contamination.

# South Carolina Department of Health and Environmental Control

Memorandum

To. Robert Eaddy, Supervisor  
Florence Regional Laboratory

From: Mike Marcus *MM*  
Stream and Facility Monitoring

Subject: Sediment Sampling in Green Swamp  
Sumter County

Date: June 30, 1982

BOARD  
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Gerald A. Kaynard, Vice-Chairman  
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COMMISSIONER  
Robert S. Jackson, M.D.  
2600 Bull Street  
Columbia, S.C. 29201

RECEIVED JUL 02 1982

Several questions have previously been raised concerning the possibility of leachate from the Sumter County landfill reaching Green Swamp/Pocotaligo Swamp and impacting trees in the main channel of the swamp. In the past, Santee Print Works deposited dye wastes and industrial chemicals in an unlined lagoon in the landfill.

In order to begin the first phase of this investigation, sediment samples will be collected from the part of Green Swamp contiguous to the landfill. These samples will be collected as cores and then assayed for a variety of physical and chemical parameters in an attempt to find any evidence that the waste material moved from the landfill into the swamp. A control station will be sampled and analyzed in the same manner.

## A. Survey Area

The attached map outlines the general location of the Sumter County landfill in relation to Green Swamp. The specific sampling stations will be selected once on site.

## B. Sampling Protocol

Core samples will be collected from Green Swamp around the Sumter County landfill and a control station and analyzed for:

pH  
o/o Volatile Solids  
Heavy metals - cadmium, chromium, copper, nickel, mercury,  
zinc, manganese, lead  
Petroleum hydrocarbons

Memorandum to Robert Eaddy

Page 2

June 30, 1982

C. Total Samples

Florence Regional Laboratory

10 pH  
10 o/o Volatile solids  
10 petroleum hydrocarbons

Columbia Inorganic Laboratory

10 Heavy metals - Cd, Cr, Cu, Ni, Hg, Zn, Mn,  
Pb

D. Discussion

1. All equipment and sample containers will be furnished by the Stream and Facility Monitoring Section.
2. Personnel from the Stream and Facility Monitoring Section will be present to conduct the sampling. Since this work will coincide with the 3560 inspections and water quality assessment of the Pocotaligo system conducted by Florence personnel, these sediments will be transported to the Florence Laboratory along with the other survey samples.
3. Rain prior to or during the sampling will not require postponement of this work unless the stream has become too deep for wading.
4. All samples will be shipped to the Florence Regional Laboratory from the survey site. After obtaining the amount of sediment necessary for the pH, volatile solids and petroleum hydrocarbons analyses, the remainder of the sample will be shipped to the Columbia Inorganic Laboratory for the heavy metals analyses.
5. All sampling procedures and field analyses will conform to all applicable sections in The Standard Operating Procedures Manual and Quality Assurance Procedures Plan, (SCDHEC). All laboratory analyses will be in accordance with Procedures and Quality Control Manual for Chemistry Laboratories, (SCDHEC).

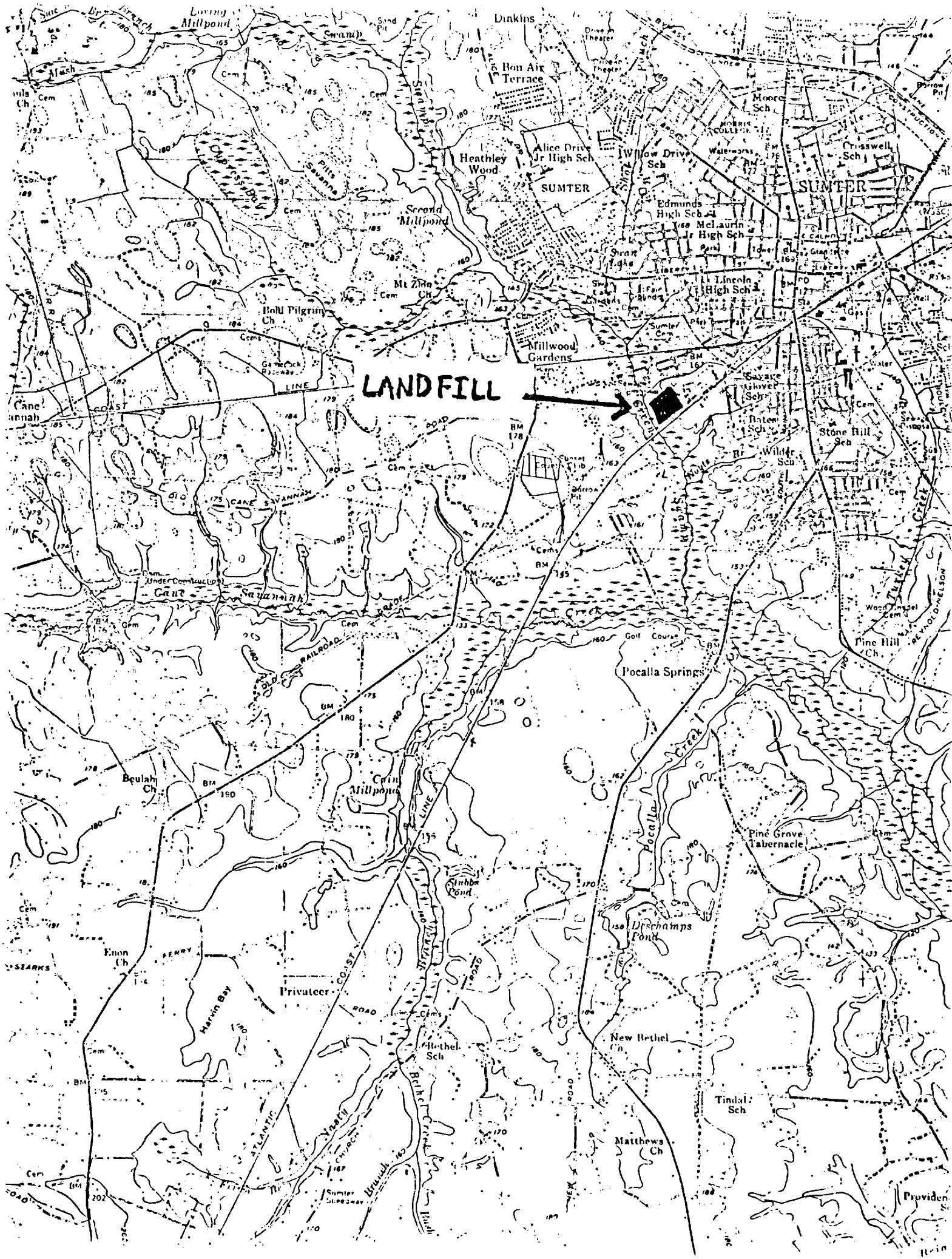
If you have any questions, please contact me.

MM/al

cc: Noel Hurley  
Tom Kurimcak  
Alfreda Mouchet  
Capers Dixon thru Mark Blackmon  
Section Study File

attachment

LANDFILL



Jeffersonville

THE GROUND-WATER RESOURCES  
OF  
SUMTER AND FLORENCE COUNTIES, SOUTH CAROLINA

**RECEIVED**

NOV 6 1987  
S. C. DEPT. OF HEALTH AND  
ENVIRONMENTAL CONTROL  
Bureau of Solid & Hazardous  
Waste Management

by  
A. Drennan Park

Prepared by  
South Carolina Water Resources Commission

in cooperation with  
U.S. Geological Survey  
and  
City of Sumter, South Carolina

South Carolina Water Resources Commission  
Report Number 133  
1980

GOOD SITE !

~~PREX~~ + HRG Meritona  
needs to be entered

Sumter Inert Site  
SCD 981 474 729  
Sumter, SC - Sumter County

A. History of Site

The Sumter Inert Site is located .5 miles south of Green Swamp Road (McCrays Mill Road) on Cooks Street in Sumter, South Carolina. The geographic coordinates for this site are latitude 33 degrees 54 minutes and 17 seconds north and longitude 80 degrees 21 minutes and 33 seconds west. From 1958 to 1971 this unpermitted landfill has been owned and operated by the City of Sumter, South Carolina. Since 1971 the Sumter County Public Works Department has operated this site. From 1958 to 1973 industrial chemicals were believed to be routinely disposed on site by tanker trucks from several local industries within the town of Sumter. From 1973 to the present date this landfill has accepted only inert materials such as leaves and limbs for disposal. All industrial waste since 1973 has been disposed at the Sumter County Landfill located on Shaw Crossroads in Sumter, SC.

B. Nature of Hazardous Materials

Waste types believed to be disposed on site include solvents, paint sludges, and print dye waste generated from several local industries during the early 1960's and 1970's. Print dye waste is believed to contain Varsol, Cooper, chromium and possible other heavy metals. According to Mr. Capers Dixon of the SCDHEC Wateree District, liquid industrial waste is believed to have been disposed on site prior to 1973 into an unlined lagoon area located within the landfill. Hazardous waste quantities for this landfill are based on approximations from SCDHEC Wateree District personnel, who have made numerous inspections at the site. Based on the assumption that 1,000 gallons per week of liquid industrial wastes were disposed at this site from approximately 1958 to 1973 (15 years), waste quantities believed present are estimated to be at least 720,000 gallons.

C. Description of Hazardous Conditions, Incidents, Permit Violations

Several investigations and complaints regarding open dumping of waste have been reported by this Department. On March 5, 1970 SCDHEC's Air Pollution Control Division observed a large tanker truck dumping a green liquid into the landfill. On October 23, 1980 SCDHEC's inspection of the landfill noted several drums of paint sludge and solvent waste that were excavated when a new sewer line was installed through the lower portion of the landfill. It was reported that one person helping to install the sewer line was overcome by fumes emitted by the waste materials. No permit violations have ever been reported or observed at this facility since its operation began in 1958.

D. Routes for Contamination

The Sumter Inert Site is partially located in the floodplain of Green Swamp. Two creeks border the landfill, Sooks Branch to the North, Northwest and Green swamp to the West, Southwest. Since waste has been



disposed immediately adjacent to the banks of the two creeks, potential for contaminants to run off and leach into the nearby surface waters and sediments exist. It is also believed that leachate from the landfill could be contaminating the shallow aquifer system near the site.

#### E. Possible Affected Population and Resources

The site is located within the southwestern portion of the Sumter City Limits. Total population within a three mile radius of the site is approximately 30,000 individuals. Drinking water supplies are provided either by municipal or private groundwater well systems. According to the City of Sumter Public Works Department, approximately 29,000 residents rely on the municipal (public) groundwater wells within a three mile radius of the site. The depths of municipal groundwater wells tapping the deeper Tuscaloosa Aquifer System range from 350 to 600 feet. According to Mr. Mark Blackman of SCDHEC's Wateree District approximately 1000 residents rely on private groundwater wells within a three mile radius of the site. The depth of private groundwater wells tapping the shallow aquifer system range from 20 to 100 feet. Clay beds located within these aquifer systems serve as confining layers to separate these two aquifer systems.

several residences that rely on shallow groundwater wells are located less than 2000 feet from the landfill. The nearby surface waters of Green Swamp Creek and the Pocatigo River could contain heavy metal contamination as a result of past disposal practices at this former landfill.

#### F. Recommendations & Justifications

This site has been assessed a "medium priority" for a site inspection. Conclusions that warrant a medium priority for a site inspection are as follows:

Approximately fifty residences located within one mile of the landfill rely on shallow (less than 100 feet) groundwater wells for drinking water. Sample analysis on (10/29/86) of one groundwater monitoring well on site indicated elevated levels of the heavy metal lead. Leachate from the disposal of dye waste and industrial chemicals buried in an unlined lagoon within this landfill could potentially contaminate the nearby private groundwater wells. In 1980, construction of a sewer line through the landfill revealed the exposure of several drums and strong chemical fumes. A major portion of the site is located in the floodplain of Green Swamp and bordered by two creeks. Surface drainage patterns at the site indicate all runoff will probably enter the surface waters of Sooks Branch or Green Swamp. SCDHEC's Groundwater Protection Division has recommended the installation of at least three additional monitoring wells at the site to properly assess groundwater conditions. In order to properly assess the potential for groundwater contamination at this site it is also recommended by this writer that a more extensive groundwater monitoring network be established. It is also recommended that sampling of any leachate material near the old unlined lagoon area be conducted to determine if waste is hazardous. Sampling of sediments and water from Green Swamp and Sooks Branch is also recommended to determine if leachate from the landfill is

migrating offsite. The above listed recommendations for sampling are believed to be necessary in order to conduct an effective site inspection for this landfill.

G. Reference to Supporting Data Sources

U.S.G.S. 7.5 minute Topographic Map - Sumter East  
- Sumter West

City of Sumter, SC Water Line Distribution Map  
City of Sumter Public Works Department

Sumter Inert Site - SCDHEC Wateree District Files

Sumter Inert Site - SCDHEC Groundwater Protection Division Files

SC Water Resources Commission Report Number 133 The Groundwater Resources of Sumter and Florence counties, SC

Telephone Communications To: Mr. Grady Grubbs  
From: Mr. Jeff Williams  
Re: Municipal Groundwater Supplies for  
City of Sumter

RCRA Summary  
Sumter Inert Site  
SCD 981 474 729

According to SCDHEC's Bureau of Solid and Hazardous Waste Permitting Section, no permits have ever been issued at the Sumter Inert Site. A temporary permit was issued for this site but expired on July 1, 1973. All industrial waste since July 1, 1973 has been disposed at the new Sumter County Sanitary Landfill (DWP-091) near Shaw Crossroads Highway 378 East of Sumter, SC.

## ABSTRACT

An abundant supply of good quality ground water exists in Sumter and Florence Counties. Water users in the two counties are greatly dependent on this ground water, and both counties rank among the highest in the state in terms of total ground-water use. Ground water currently supplies 100 percent of the drinking water needs of public and rural-domestic water users. More than 30 Mgd (million gallons per day) of ground water are withdrawn for public supplies and rural-domestic, industrial, and agricultural use. Approximately 25 Mgd are withdrawn from surface-water sources.

The sources of ground-water supply are the Tuscaloosa, Black Creek, Peedee, and shallow aquifer systems. Artesian aquifers within the Tuscaloosa and Black Creek aquifer systems provide almost half of the ground water withdrawn. These aquifers underlie the entire study area, and 10- and 12-inch diameter wells commonly yield from 500 to 2000 gpm (gallons per minute) per well. The hydraulic conductivities of Tuscaloosa and Black Creek aquifers range from 19 to 93 ft/day and generally increase from east to west.

The shallow and Peedee aquifer systems supply sufficient quantities of water for domestic and light industrial use. Individual wells tapping shallow aquifers in central and northern Sumter County yield up to 250 gpm, and are capable of supplying large quantities of ground water for industrial and municipal use.

The chemical quality of ground water is generally good. Total dissolved solids concentrations in the principal aquifers of Sumter County are commonly less than 100 mg/L, and in Florence County are commonly less than 200 mg/L. Chloride and sulfate concentrations are less than 50 mg/L.

High iron concentrations and corrosive ground water are problems for some water users in the study area. The maximum iron concentration recommended by the South Carolina Department of Health and Environmental Control is 0.3 mg/L, whereas ground water may locally contain more than 5.0 mg/L. In addition, the corrosive effect of high carbon dioxide concentrations and low pH results in abnormally short service life for some large-capacity wells. Shallow aquifers have been locally contaminated by nickel, nitrates, and petroleum products; and excessive application of fertilizers may be having a regional impact on shallow aquifers in the Florence area.

Storage coefficient (S) is related to the volume of water an aquifer releases from or takes into storage per unit surface area of the aquifer per unit change in head (Lowman, 1972). The storage coefficient is a dimensionless term, and typical values range between 0.3 and 0.03 for water-table aquifers and between 0.005 and 0.0005 for artesian aquifers. Values from 0.03-0.005 indicate conditions that are neither truly water-table nor artesian (American Water Works Association, 1973).

A characteristic of wells commonly utilized by well drillers, hydrologists, and engineers, and which is related to K, T, and S, is specific capacity. The specific capacity of a well is the rate of discharge from a pumped well divided by the drawdown in water level after a specified period of time and is expressed as gpm/ft. Specific capacity can be used to compare the performance of wells or to estimate values of transmissivity and hydraulic conductivity (but not storage coefficient).

#### AQUIFER SYSTEMS

There are four major aquifer systems in Sumter and Florence Counties, which are, in ascending order, the Tuscaloosa, Black Creek, Peedee, and shallow aquifer systems (table 1). These aquifer systems are underlain by pre-Cretaceous rocks which, for all practical purposes, are unimportant to the hydrogeology of Sumter and Florence Counties. The boundaries of each aquifer system are delineated on the basis of available data from geophysical and drillers' logs, and water-quality characteristics. Certain key wells have been used in defining the vertical and lateral boundaries of each system (figs. 5, 6, 7, and 8).

As previously stated, aquifer-system boundaries do not everywhere correspond to the boundaries between formally named geologic formations. The principal sand and clay beds underlying the study area are easily recognized in geophysical logs, are areally continuous, and are therefore convenient reference points for delineating aquifer system boundaries. However, within these aquifer systems, lithology may change significantly from one area to another.

For example, the confining bed overlying the Tuscaloosa aquifer system (fig. 5) at Florence (well 16M-v1) is a persistent clay that can be traced westward to Wateree (well 26Q-x1). This bed delineates the boundary between the Tuscaloosa and Black Creek aquifer systems and approximates the contact between the Tuscaloosa and Black Creek Formations in the vicinity of Florence. In the vicinity of Wateree most of the sedimentary sequence above the confining bed is composed presumably of Tuscaloosa sands, interspersed with only a few tens of feet of dark Black Creek (?) clays. The change in lithology is particularly notable between Sumter and Wateree. Discrepancies between aquifer system and formation boundaries become more pronounced farther updip.

Similarly, drilling logs for deep wells at Lynchburg indicate that shell and shell-fragments occur in sediments that are defined as part of the Tuscaloosa aquifer system in figures 5 and 7. Such fossiliferous sediments are common in the Black Creek Formation, but not in the Tuscaloosa Formation.

At well 16M-v1 in Florence (figs. 5 and 8) the confining bed overlying the Tuscaloosa aquifer system is correlated to a deeper confining bed at well 12R-b2 in Johnsonville (figs. 7 and 8). In the vicinity of Florence, drilling logs

indicate that this confining bed contains "Tuscaloosa-like" sediments composed of white and yellow sands, "iron-stained sands", and white, grey, reddish, or brown clays. At Johnsonville (well 12R-b2) this same confining bed is largely composed of shell bearing, fine- to medium-grained sands and black and dark-blue clays that are typical of the Black Creek Formation.

## TUSCALOOSA AQUIFER SYSTEM

### DISTRIBUTION

The Tuscaloosa aquifer system is the most productive source of ground water in Sumter and Florence Counties and surrounding areas. Public (municipal) water systems in Pinewood, Sumter, Lynchburg, Timmons ville, and Florence use the aquifer system as a primary source of water supply. In addition, small public-supply and industrial water users and an increasing number of large irrigation systems are supplied by ground water from the Tuscaloosa aquifer system.

The Tuscaloosa aquifer system underlies all of Sumter and Florence Counties and is overlain by a 15 to 75 ft thick confining bed in the Black Creek aquifer system (figs. 5, 6, 7, and 8). The altitude of the bottom of the confining bed ranges from approximately sea level (msl) in northern Sumter County (fig. 6) to more than 700 ft below msl in southern Florence County (figs. 7 and 8). The thickness of the Tuscaloosa aquifer system varies from about 250 ft in northern Sumter County to about 400 ft in southern Florence County.

### WATER LEVELS AND RECHARGE

Although geologists of the SCDHEC have constructed potentiometric maps of shallow aquifers near waste-disposal and contamination sites in the study area, data are currently insufficient to construct potentiometric maps of deeper aquifers. Therefore, most water-level data are based on well construction records.

These records indicate that water levels in wells tapping the Tuscaloosa aquifer system have declined locally. Prior to the 1950's, wells tapping Tuscaloosa aquifers at Florence and Sumter had water levels that were no more than 40 ft below land surface, and in a few early wells, water levels were above land surface. As municipal water use increased, water levels declined correspondingly. Recent wells near the principal downtown pumping area at Florence have water levels as low as 120 ft below land surface (20 ft msl), and water levels at Sumter well fields are generally 60 to 80 ft below land surface (105 ft to 85 ft msl). Well 22P-g1, four miles from the nearest Sumter well field, flowed at 125 gpm when drilled in 1955. When measured in August, 1977, the water level was 6 ft below land surface.

These water-level changes are moderate and do not presently pose a threat to ground-water availability at Sumter or at Florence. Whenever pumpage is increased, water levels will decrease until the additional discharge is balanced by a like amount of recharge. In the remainder of Sumter and Florence Counties, the Tuscaloosa aquifer system is not heavily used and water levels are presumably near or above land surface.

The USGS and SCWRC maintain observation wells at Sumter (25P-t3) and at Mars Bluff (13M-p2). Well 25P-t3 is located at Sumter Water Plant One and is screened in the principal sand of the Tuscaloosa aquifer system. The hydrograph (fig. 9) reflects pumpage at the water plant and natural water-level changes are obscured. However, there is no discernible downward trend in water levels.

At Mars Bluff, the hydrograph for well 13M-p2 (fig. 9) reflects the composite water levels of the Black Creek and Tuscaloosa aquifer systems. Comparison of annual average-monthly water levels with monthly departures from normal rainfall indicates a correlation between rainfall departure and water level. A period of above-normal rainfall from November 1972 to May 1973 appears to coincide with a water-level rise between November 1972 and April 1973. Likewise, a prolonged period of above-normal rainfall during early 1975 appears to correspond with a rise in water level during the same time interval. The brief lag time between periods of rainfall and rising water levels may be a response to loading as water in overlying shallow aquifers is replenished or depleted. Periods of declining or low water level generally occur during mid- to late-summer, and may, in part, reflect increased evapotranspiration and pumpage by city wells at Florence during the hotter, dryer, summer months.

The nearest known large-capacity well that could affect water levels at well 13M-p2 is located in Florence, about nine miles away. A two-week aquifer test conducted at the Mars Bluff site in March-April 1959 is reported to have influenced water levels in an observation well near the Florence Airport (G. E. Siple, oral communication, 1978); it is, therefore, probable that pumpage at Florence (5.5 Mgd average) affects water levels at well 13M-p2.

Ground-water movement in the Tuscaloosa aquifer system is believed to be toward the south and southeast from the area of recharge. The major areas of recharge appear to lie generally west and northwest of the study area in Darlington and Lee Counties; and in northern and western Sumter County. In these areas, rocks of the Tuscaloosa Formation occur at or near land surface (fig. 2) and consist of highly permeable sands and relatively thin confining beds. Additionally, recharge by leakage probably occurs within the cone of depression at Sumter and Florence where the potentiometric head of the Tuscaloosa system has been lowered below that of the Black Creek aquifer system. With the probable exception of northern Sumter County, the Tuscaloosa system apparently has a greater potentiometric head than the overlying Black Creek system.

#### WATER-BEARING CHARACTERISTICS

Grey, white, red, tan, brown, and blue clays and sandy clays separate the Tuscaloosa and Black Creek aquifer systems and divide the Tuscaloosa aquifer system into a number of aquifers. The uppermost aquifer, the principal Tuscaloosa aquifer, is identified on geophysical logs throughout the area and appears as a series of prominent deflections from the shale line (figs. 5-8). At well 16M-v1 (fig. 5) the aquifer occurs between 350 ft and 520 ft. The thickness ranges from more than 150 ft in Sumter County and northern Florence County to less than 100 ft in southern Florence County. This aquifer is the most productive source of ground water in the study area. The municipalities of Pinewood, Sumter, Lynchburg, Timmons ville, and Florence, and many industrial

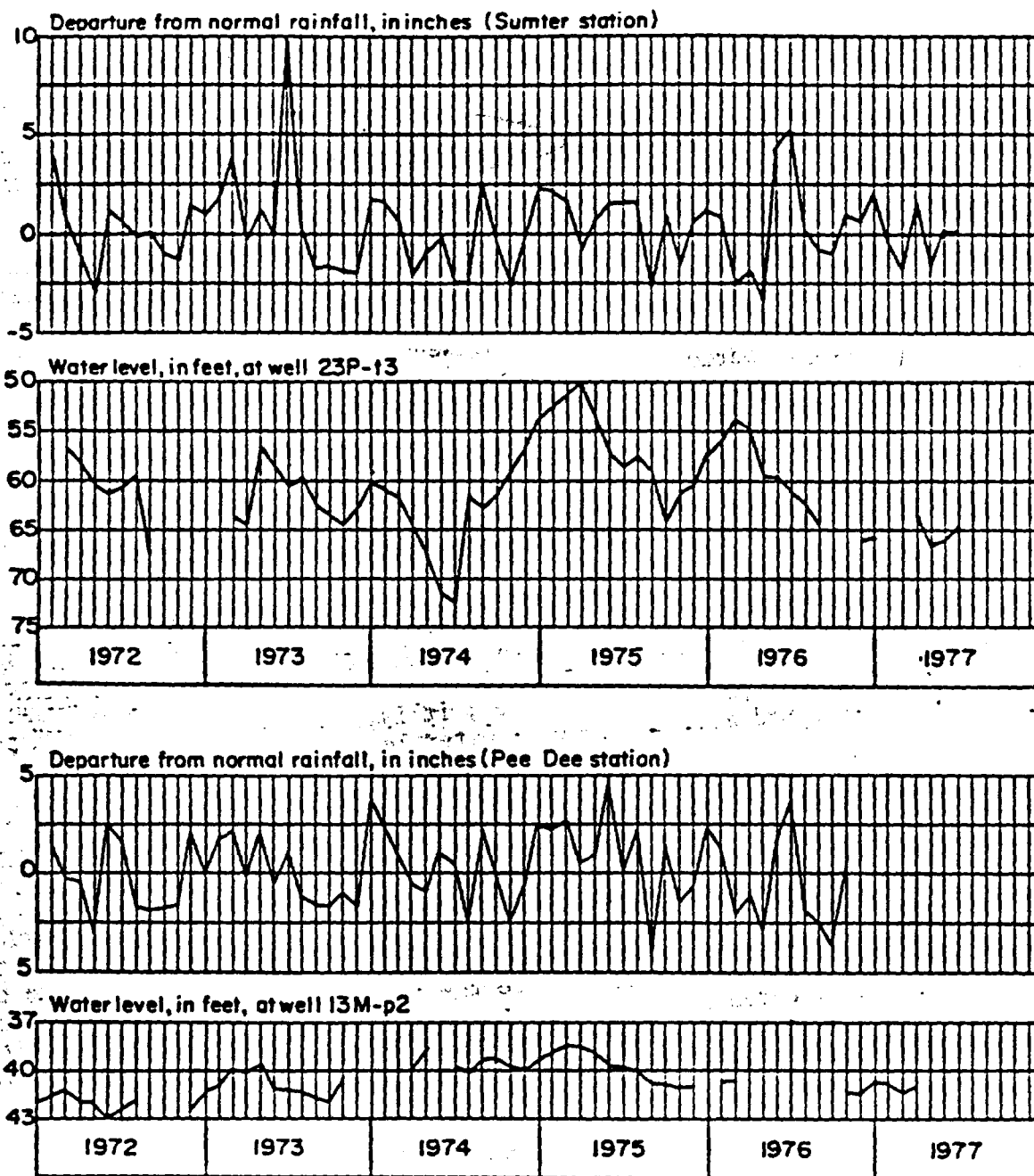


FIGURE 9. Rainfall and hydrograph data for observation wells 23P-t3 and 13M-p2, 1972-1977.



and agricultural water users operate wells screened in the principal Tuscaloosa aquifer.

The depth, yield, and specific capacity of wells tapping the principal Tuscaloosa aquifer vary significantly from one area to another. Wells at Sumter, with diameters of 8 to 12 inches and depths of 550 to 670 ft yield from 500 gpm to more than 2,000 gpm per well; specific capacities range from 11 to 30 gpm/ft. West of Sumter, toward Rembert and the Wateree River, the permeability (hydraulic conductivity) of the aquifer increases, and specific capacities of more than 30 gpm/ft are reported. East of Sumter, permeability decreases, and the yields of individual wells tapping the aquifer are less than 1,000 gpm with specific capacities of less than 15 gpm/ft. The only well known to tap the principal Tuscaloosa aquifer in southern Florence County (12R-b2) is 870 ft deep and yields 500 gpm with a specific capacity of about 13 gpm/ft of drawdown.

Additional aquifers underlie the principal Tuscaloosa aquifer in most of the study area, but are absent in much of Lee, northern Sumter, and Darlington Counties where they pinch out toward the outcrop areas. Most wells operated by the City of Florence are screened in both the principal Tuscaloosa aquifer and in underlying Tuscaloosa aquifers. Municipal wells at Florence commonly have 80 to 100 ft of screen set between depths of 300 ft and 750 ft, and yields range from 700 gpm to 2,000 gpm per well. Specific capacities are usually lower than for municipal wells at Sumter, and range from 5 gpm/ft to 18 gpm/ft. Two wells in southern Darlington County (16L-q1 and 16L-q2) are entirely screened in sands below the principal Tuscaloosa aquifer; each well yields approximately 500 gpm with a specific capacity of about 4 gpm/ft. Few wells tap lower Tuscaloosa aquifers in Sumter County because sufficient quantities of water are available from the overlying principal Tuscaloosa aquifer and from the Black Creek and shallow aquifer systems.

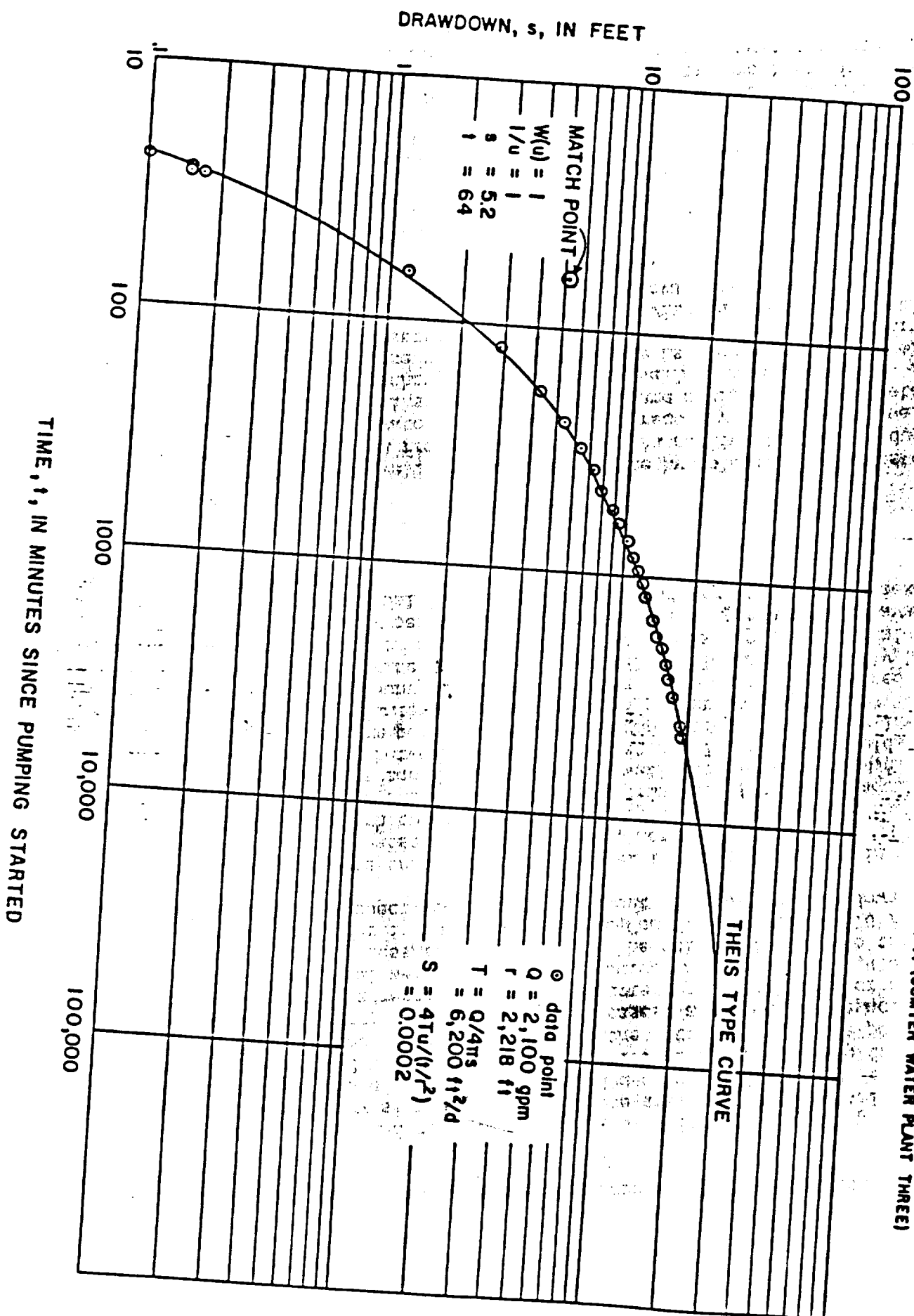
#### AQUIFER TESTS

Much information on well performance and the hydrologic properties of aquifers can be determined from aquifer tests. An aquifer test is conducted by measuring the rate of water-level decline or recovery in a pumping well and one or more observation wells completed in the same aquifer. In a constant-rate aquifer test, the discharge of the pumping well is maintained at a fixed rate for the duration of the test. After pumpage is stopped, water-level measurements are made to determine the rate of recovery. The data obtained from the test can be used to calculate transmissivity, hydraulic conductivity, and specific capacity. If observation wells are available, the storage coefficient and well efficiency can be determined.

Five aquifer tests have been conducted on the Tuscaloosa aquifer system and two of these have been conducted with wells screened only in the principal Tuscaloosa aquifer (table 3). Most of the tests were conducted using multi-aquifer system wells; for example, well 13M-p1 is screened in aquifers of both the Black Creek and the Tuscaloosa systems.

The most recent aquifer test was conducted by Palmer and Mallard Engineers at Sumter Water Plant Three. Water-level measurements were taken in the pumping well (23Q-r5) and in observation well 23Q-r1 (2,200 ft away); the rate of

FIGURE 10. TIME-DRAWDOWN PLOT OF AQUIFER-TEST DATA, WELL 230-71 (SUMTER WATER PLANT THREE)



discharge was 2,100 gpm for 72 hours. Transmissivity and storage coefficients were calculated using both the Theis type-curve method and the Cooper-Jacob straight-line method. Transmissivity was 6,200 ft<sup>2</sup>/day and storage was 0.0002. The logarithmic time-drawdown plot of observation well 23Q-r1 (fig. 10) indicates that the Tuscaloosa aquifer behaved as a non-leaky artesian aquifer for the pumping test period of three days.

Siple (1957) observed that for the South Carolina Coastal Plain in general, Tuscaloosa transmissibilities (transmissivities) are greatest in areas 20-40 miles downdip from the outcrop area. However, within the study area, the highest transmissivities occur in or near the outcrop area of the Tuscaloosa Formation.

Comparison of aquifer test results for wells 13M-p1, 16M-v1, 23Q-r5, and 26Q-x1 (table 5), and comparison of specific capacity data (appendix table 2) indicate that the transmissivity of Tuscaloosa aquifers generally increases from east to west toward the outcrop area. The trend in part reflects increasing permeabilities ( $K=20$  to 90 ft/day). In addition, a greater thickness of sand occurs toward the western part of the study area; in the eastern part, confining beds compose a greater percentage of the aquifer system.

An aquifer test at well 16L-q1 indicates a transmissivity of approximately 950 ft<sup>2</sup>/day for the sands underlying the principal Tuscaloosa aquifer. Hydraulic conductivity (19 ft/day) is comparable to that estimated for the principal Tuscaloosa aquifer in northern Florence County.

#### BLACK CREEK AQUIFER SYSTEM

##### OCCURRENCE

The Black Creek aquifer system underlies most of Sumter and Florence Counties (fig. 5). In updip areas, such as northwestern Sumter County, the lithology consists of white, buff, tan, and grey, medium- to coarsed-grained sands, poorly sorted gravels, and interbedded grey, brown and yellow clays that are characteristic of the Tuscaloosa Formation. Downdip, to the east and southeast, the lithology consists of fossiliferous, fine- to medium-grained white sands and dark-blue to black clays more typical of the Black Creek Formation.

The altitude of the top of the aquifer system ranges from about 50 ft above msl in western Sumter County to approximately 100 ft below msl in southern Florence County. In western Sumter County, the thickness increases from a few feet in the Rembert area to about 400 ft in well 24S-d2 at Pinewood (fig. 6). In Florence County, the thickness ranges from less than 250 ft to more than 500 ft (figs. 7 and 8).

##### RECHARGE

The Black Creek aquifer system is recharged by precipitation falling on outcrop areas in and adjacent to the study area. Outcrop areas include the

Black Creek Formation (fig. 2) and that part of the Tuscaloosa Formation which may be an updip extension of the Black Creek Formation.

Additional recharge probably occurs by leakage from the underlying Tuscaloosa aquifer system in much of Sumter County and northern Florence County. In southern Florence County, the confining bed separating Black Creek and Tuscaloosa aquifers is as much as 100 ft thick, and ground-water movement from one system to the other is assumed to be slight. Comparable conditions exist in Horry County, for which Zack (1977) reported that the Black Creek and Middendorf (Tuscaloosa) aquifer system are hydraulically independent.

#### WATER-BEARING CHARACTERISTICS

Many small public water systems operate wells which tap the Black Creek aquifer system. The wells are four to ten inches in diameter and range from 150 ft to 600 ft deep. Screens are usually set opposite sands that correlate to aquifers between 40 and -50 ft msl and between -90 and -150 ft msl at well 19Q-f1 (figs. 5 and 7). A number of 10- and 12-inch diameter multi-aquifer wells operated by Sumter and Florence also have screens set opposite these sands.

In Sumter County, 4- and 6-inch diameter wells having 10 to 20 ft of screen in Black Creek aquifers commonly yield 50 to 150 gpm per well; the specific capacity of these wells is generally less than 5 gpm/ft. The depths vary from about 100 to 250 ft. Deeper, large-diameter wells having 40 to 75 ft of screen yield from about 450 to 750 gpm; specific capacities range from 7 to 20 gpm/ft.

Comparable 8- and 10-inch diameter wells in Florence County yield 250 to 500 gpm per well, with specific capacities of 10 gpm/ft or less. The depths of these wells range from approximately 250 ft in northern Florence County, to about 500 ft in the vicinity of Lake City, Scranton, and Johnsonville.

The only estimates of the transmissivity and hydraulic conductivity of aquifers in the Black Creek system are from two wells in Florence County, (table 3). Because observation wells were not used, the storage coefficients could not be determined. The transmissivity of Black Creek sands at well 13P-d1 (Pamplico) is 3,100 ft<sup>2</sup>/day, and at well 12R-g3 (Johnsonville) is 1,500 ft<sup>2</sup>/day. Both wells are screened in the middle and upper sands of the aquifer system.

Hydraulic conductivity values of Black Creek aquifers in eastern Florence County are within the range of those calculated by Zack (1977) for Black Creek aquifers in Horry County, east of the study area. Zack calculated storage coefficients of between 0.0001 and 0.0004.

Well records indicate a westward trend of increasing well yields and specific capacities per foot of aquifer screened. This increase occurs mainly in central and western Sumter County, where the Black Creek aquifer system contains a thicker and more permeable sequence of sands.

## PEEDEE AQUIFER SYSTEM

The Peedee aquifer system underlies all of central and southern Florence County and the Sumter panhandle, and it is composed of dark clayey sands and sandy clays. The thickness of the aquifer system increases from a few feet near the updip limit to approximately 200 ft in southern Florence County.

### WATER-BEARING CHARACTERISTICS

In Florence County, well drillers report drilling through 40 to 60 ft of "grey marl" before striking good water-bearing sands. These sands are generally fine-grained and are interbedded with sandy clays and hard, calcareous rocks. The most prominent sandy zone, identified in geophysical and drilling logs, dips southward and occurs between a depth of 150 and 180 ft below land surface at well 12R-b2 (figs. 7 and 8). The base of the clay underlying this sandy zone delineates the base of the Peedee aquifer system and, when correlated to cross-sections by Zack (1977) and Johnson (1978), marks the base of the Peedee Formation.

Peedee aquifers yield enough water to supply domestic and light industrial users in southern Florence County. The highest reported well yield is about 20 gpm. Individual 4- to 6-inch diameter wells will probably yield 50 to 60 gpm, but specific capacities of less than 5 gpm/ft are to be expected. In adjacent Clarendon and Williamsburg Counties, wells completed in Peedee aquifers are reported to yield 50 to 150 gpm per well (Johnson, 1978).

### SHALLOW AQUIFER SYSTEM

The shallow aquifer system in Sumter and Florence Counties is composed of rocks of the Black Mingo and Duplin Formations, undifferentiated rocks of Miocene (?), Pliocene, and Pleistocene age, and Recent alluvial deposits (table 1). The lithology of these shallow formations has been described from auger-hole cuttings at more than 200 sites in or near the study area by geologists with the SCGS and by Sloan (1908), Cooke (1936), and others.

Ground water in the shallow aquifers occurs under confined, semiconfined, and unconfined conditions. Where unconfined conditions exist, the aquifer is recharged by local rainfall, and water levels respond to changes in rainfall and seasonal changes in the rate of evapotranspiration. Reported water levels are commonly 10 to 40 ft below land surface and in part reflect changes in topography. Water levels occur at greatest depths in areas of high elevation and are near, or at land surface near water bodies. Because of the prevalence of confining clays, ground water locally occurs under semiconfined or confined conditions.

The depths of wells tapping the shallow aquifer system range from 10 ft to more than 100 ft. Except in the belt of sand hills traversing western Sumter County, domestic water needs are commonly supplied by wells that are less than 60 ft deep. In the sand hills region southwest of Sumter, land surface elevations range from 200 to 350 ft above msl and, locally, wells must

be drilled through as much as 100 ft of "black rock" and red and yellow sandy clays (Black Mingo?) before penetrating water-bearing sands. Locally, 10 to 20 ft thick sands occur within the Black Mingo (?).

Although the Duplin Formation is mainly composed of "marl", scattered auger-hole and well data indicate that water-bearing sands occur within the formation. These sands are sources of domestic, light industrial, and public water supplies, locally. The Town of Mayesville is supplied by wells 50 to 60 ft deep, apparently screened in sands of the Duplin Formation.

The City of Sumter operated shallow wells until the 1960's. These wells were 55 to 100 ft deep and reportedly yielded 100 to 450 gpm per well. At least one shallow well reportedly pumped as much as 1,000 gpm and had a specific capacity of 140 gpm/ft at 320 gpm. The deepest of these wells may be screened in the upper part of the Black Creek aquifer system, but most are screened in shallow sands of the Duplin Formation or in alluvial deposits. The shallow aquifer system in the vicinity of Sumter may have great potential as an inexpensively developed source of public and industrial water supply, and further study of this aquifer system is needed.

Large quantities of ground water may also be available to shallow wells developed in the alluvial deposits within the Wateree, Black, and Pee Dee River valleys. Sand and gravel are quarried at sites on the Wateree and Pee Dee Rivers. The quarries indicate the possible occurrence of permeable sediments that may supply large amounts of ground water to induced infiltration wells. Ten miles north of the study area, induced infiltration wells are already used at one site on the Wateree River and yield up to 250 gpm per well.

## WATER USE

As part of a statewide water-use inventory program, the SCWRC publishes water-use reports for 5-year intervals (SCWRC, 1971; Duke, 1977). Table 4A, modified from Duke (1977), summarizes the estimated industrial and public supply water withdrawals in Sumter and Florence Counties in 1975. Rural domestic, and small public supply withdrawals are a significant part of water use and are given as totals for each county. Towns and industries using more than 0.1 Mgd are listed in table 4B.

Nonwithdrawal use, which includes hydroelectric power, navigation, recreation, fish and wildlife propagation, and the conveyance and dilution of sewage is not included. Nonconsumptive use for mining operations is included.

In 1975, 177 public water-supply systems (municipalities, military bases, subdivisions, and mobile home parks), most of which were privately owned, served a per capita average of about 190 gpd or about 20.5 Mgd. The water used included all that was pumped into each system; such as for fire protection, lawn and garden irrigation, industry, and commerce, as well as drinking water. All water used for public supply was ground water. Of the 20 Mgd of water used for public supplies, 7.5 Mgd was for industrial use and the remainder was for domestic and commercial use.

**OVERSIZED**

**DOCUMENT**

# South Carolina Department of Health and Environmental Control

2600 Bull Street  
Columbia, S.C. 29201



**Commissioner**  
Michael D. Jarrett

**WATEREE DISTRICT EOC**  
P.O. Box 1628  
Sumter, SC 29151  
(803) 778-1531/778-6548

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May 7, 1987

S. C. DEPT. OF HEALTH AND  
ENVIRONMENTAL CONTROL  
Bureau of Solid & Hazardous  
Waste Management

S. C. DEPT. OF HEALTH AND  
ENVIRONMENTAL CONTROL  
Bureau of Solid & Hazardous  
Waste Management

## MEMORANDUM

**TO:** Jeff Williams  
Bureau of Solid & Hazardous Waste Management

**FROM:** Chris Lock *CML*  
Wateree District

**SUBJECT:** Sumter Inert Landfill  
Sumter County

I have reviewed file information and found that the following industries could possibly have disposed of waste at the above referenced landfill:

<u>COMPANY</u>	<u>YEARS OF OPERATION</u>	<u>WASTE STREAM</u>
Carolina Furniture Works * * *	1945 - Present * *	Solvents
John Evans Manufacturing * * *	1946 - Present * *	Solvents & Paint
FCX Farm Chemical * * * * *	1952 - 1986 * * *	Pesticides
Georgia-Pacific/ Williams Furniture * * * * *	1950 - 1983 (?) * *	Solvents
Korn Industries * * * * *	1936 - Present * *	Solvents
Model Dye * * * * *	1955 - Present * *	Dye Waste & Solvents
Santee Print * * * * *	1950 - Present * *	Dye Waste & Solvents
Southern Coatings, Inc. * * * *	1938 - Present * *	Solvents & Paint

I am unable to determine the volumes of materials that were disposed of by these companies.

/ce



# South Carolina Department of Health and Environmental Control

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2600 Bull Street  
Columbia, S. C. 29201

## M E M O R A N D U M

TO: Capers Dixon  
Solid and Hazardous Waste Consultant  
Wateree District

FROM: Raymond L. Knox, Geologist  
Ground-Water Protection Division

RE: Sumter County Inert Landfill  
Cooks Street, Sumter  
Sumter County

DATE: July 6, 1981

In response to your April 27, 1981 memo to Don Duncan, a preliminary hydrogeological evaluation of past disposal practices was made at the referenced facility on June 27, 1981. Present during the evaluation were Bob Faller, geologic technician, yourself, and the writer. On August 4, 1977, this Division installed one ground-water monitoring well at the site with a screen setting of 13-16 feet. No driller's logs are available for the well.

The site is located in the upper Lower Coastal Plain physiographic region. Sediments at the landfill are alluvial sands and clayey sands, recent to Pleistocene in age. A major portion of the site is in the floodplain of Green Swamp. A smaller portion is in an abandoned borrow pit. Two creeks border the landfill, Sooks Branch to the N-NW and Green Swamp to the W-SW (see site location map). Refuse has been placed immediately adjacent to the banks of the two creeks.

Numerous attempts to hand auger holes were made, but the widespread distribution of buried waste made this difficult. Two borings were completed adjacent to Green Swamp (see attached boring logs and site map). B-1 did not encounter the water table at six feet, but soil colors indicating a seasonal high water table at three feet were present. B-2 encountered the water table at approximately three feet. A chemical odor was evident on both borings indicating that chemical waste disposal has taken place as has been reported. During construction of a sewer line through the landfill, drums were excavated and strong fumes reported (your letter to James B. Wall, October 27, 1980) which also points to chemical waste disposal.

Ground-water samples were collected from B-2 and the existing monitoring well. It was noted that the ground has settled around the existing monitoring well creating the potential for surface runoff to enter the well. This well should be properly grouted and sealed.

Page 2

Memo to Capers Dixon

Wateree District

Re: Sumter County Inert Landfill

Date: July 6, 1981

The site is inadequately monitored to assess ground-water conditions. At least three additional monitoring wells and possibly well pairs should be installed. Any contaminated ground water at the site is probably localized and will most likely discharge to Sooks Branch and/or Green Swamp. There does not appear to be a hazard to the City of Sumter well referred to in your April 27, 1981 memo. Additional recommendations may be made after review of analytical results.

RK/jj

**Attachments**

cc: Jack Kendall

Division of Engineering and Program Development

Russ Sherer

Division of Biological and Special Services

# SOIL BORING LOG

Location: Cooks Street Inert Landfill

Date: June 29, 1981

B-1

County: Sumter

Latitude: \_\_\_\_\_

Longitude: \_\_\_\_\_

Elevation: \_\_\_\_\_

Total depth: 6'

Water table: Approx. 3'

Logged by: Knox

Seasonal high water table (estimate): Approx. 3'

Depth		Description
cm	ft	
		Yellow to white slightly clayey sand
30	1	
60	2	
90	3	Gray to white mottled clayey sand - some chemical odor
120	4	
150	5	
180	6	Black discolored clayey fine sand - slight odor - moist but not saturated.

# SOIL BORING LOG

**Location:** Cooks Street Inert Landfill

**Date:** June 29, 1981

B-2

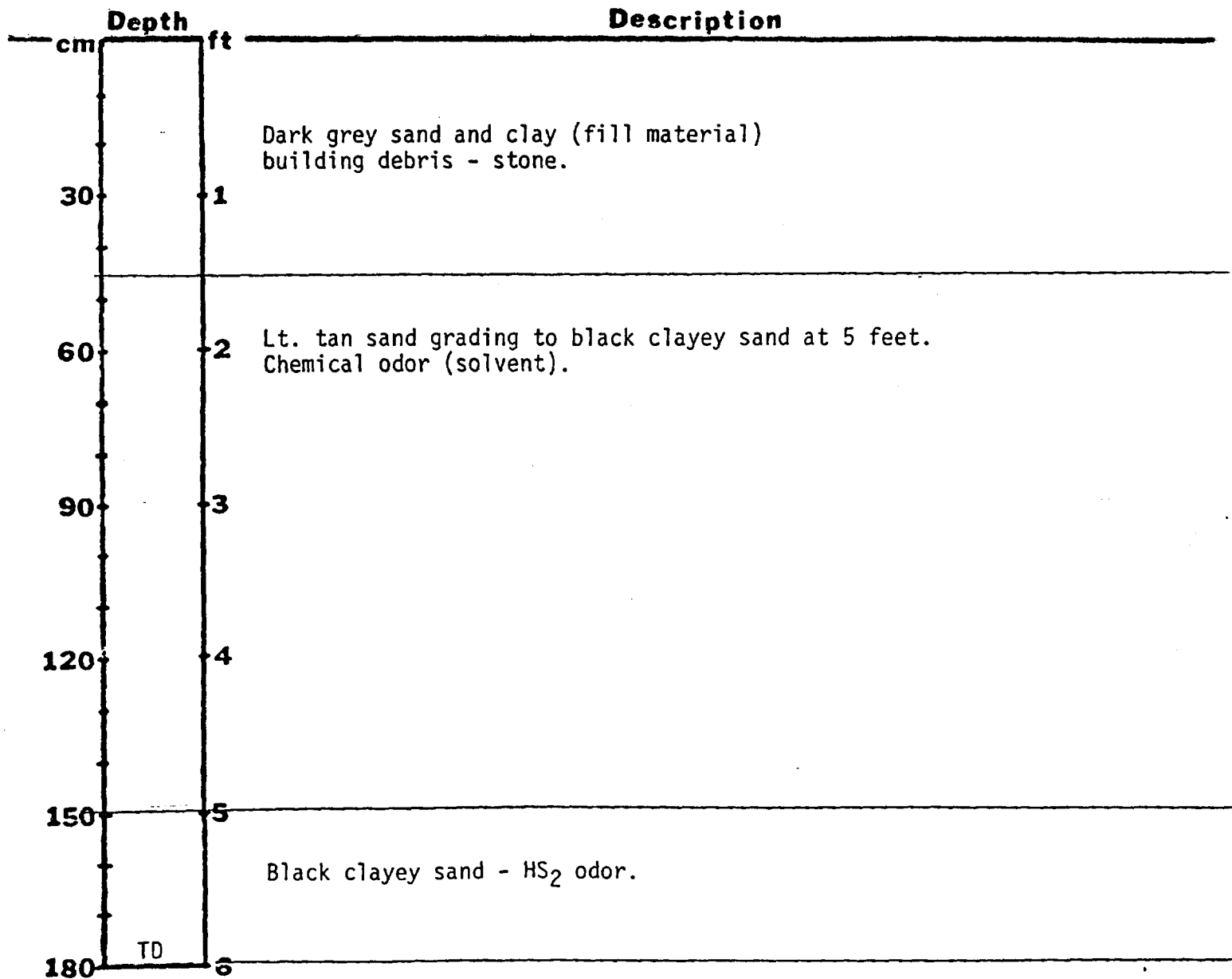
**County:** Sumter

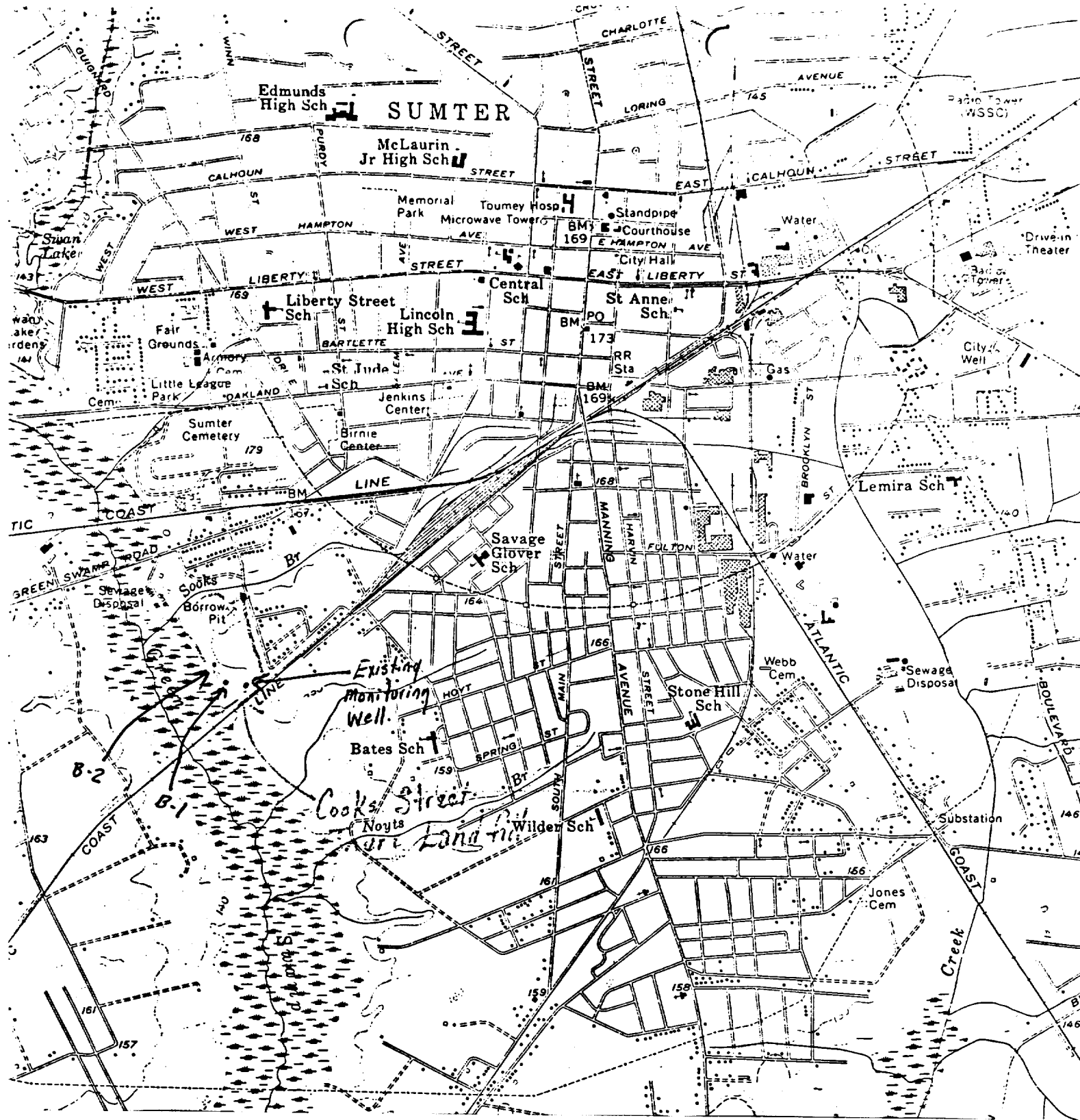
**Latitude:** 22° 15' N **Longitude:** 102° 15' W

**Elevation:** \_\_\_\_\_ **Total depth:** 6' **Water table:** Approx. 3'

Logged by : Approx. 3'

**Seasonal high water table (estimate):** \_\_\_\_\_





SUMTER

Edmunds High Sch  
McLaurin Jr High Sch

Liberty Street Sch  
Lincoln High Sch

Savage Glover Sch

Stone Hill Sch

Bates Sch

Wilden Sch

Lemira Sch

Substation

Sewage Disposal

Webb Cem

Jones Cem

Cooks Street  
Noyts  
Landfill

Existing  
Monitoring  
Well

Radio Tower (WSSC)

Drive-in Theater

City Well

Gas

Water

ATLANTIC

Creek

COAST

COAST

BL

146

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14

RECORD OF COMMUNICATION		<input checked="" type="checkbox"/> PHONE CALL <input checked="" type="checkbox"/> DISCUSSION <input type="checkbox"/> FIELD TRIP <input type="checkbox"/> CONFERENCE <input type="checkbox"/> OTHER (SPECIFY)	
(Record of item checked above)			
TO: Mr. Grady Grubb Sumter - Public Works Dept 773-3977		FROM: Jeff Williams SCOHEC Site Screening Section	
SUBJECT		DATE 4-30-87 TIME 2:30 P.M.	
<p>Municipal Well Supplies, Location &amp; Depth for City Wells</p> <p>SUMMARY OF COMMUNICATION</p> <p>On 4-30-87 I contacted Mr. Grady Grubb of the City of Sumter Public Works Dept to gather information on municipal drinking water supplies. According to Mr. Grubbs there are <u>Four</u> distinct municipal groundwater plants within the city of Sumter. All four <del>well</del> groundwater wells systems are connected for distribution to approximately 15,000 residences according to Mr. Grubb. Average depth of the four municipal wells is <del>greater than 220 feet</del> <u>between 350-600 feet</u> deep. Municipal wells for the City of Sumter provide drinking water to residents outside of the city limits of Sumter, according to Mr. Grady Grubbs of the City of Sumter Engineering Department.</p>			
CONCLUSIONS, ACTION TAKEN OR REQUIRED			
<p>Total population relying on <u>municipal groundwater</u> for the City of Sumter is 15,000 X 3.8 residents = 57,000 residents</p>			
INFORMATION COPIES TO:			

<b>RECORD OF COMMUNICATION</b> 775-3211	<input checked="" type="checkbox"/> PHONE CALL <input checked="" type="checkbox"/> DISCUSSION <input type="checkbox"/> FIELD TRIP <input type="checkbox"/> CONFERENCE <input type="checkbox"/> OTHER (SPECIFY) _____
(Record of item checked above)	
<b>TO:</b> Mr. Luke Rogers Co Public Works Director Sumter, S.C.	<b>FROM:</b> Jeff Williams Central Office Site Screening
<b>DATE</b> 5-04-87 <b>TIME</b> 1:30 P.M.	
<b>SUBJECT</b> Sumter Inert Landfill Operator and Ownership Information	
<b>SUMMARY OF COMMUNICATION</b> <p>On 5-04-87 I telephoned Mr. Luke Rogers of the Sumter Co Public Works Dept. According to Mr. Rogers the Sumter County Public Works Dept has operated this landfill from March 1971 to the present date. The County leases this site from the City of Sumter, the Site is owned and has always been owned by the City of Sumter. Prior to 1971 the City of Sumter owned and operated this facility according to Mr. Luke Rogers, director of the Sumter County Public Works Department.</p>	
<b>CONCLUSIONS, ACTION TAKEN OR REQUIRED</b>	
<b>INFORMATION COPIES TO:</b>	

<b>RECORD OF COMMUNICATION</b>	<input checked="" type="checkbox"/> PHONE CALL <input checked="" type="checkbox"/> DISCUSSION <input type="checkbox"/> FIELD TRIP <input type="checkbox"/> CONFERENCE <input type="checkbox"/> OTHER (SPECIFY)	
	(Record of item checked above)	
<b>TO:</b> Sumter County Chamber of Commerce	<b>FROM:</b> Jeff Williams SCDHEC Site Screening Section	<b>DATE</b> 5-11-87  <b>TIME</b> 3:30 P.M.
<b>SUBJECT</b>		
U.S. Census and City Census for Population within Sumter (City)		
<b>SUMMARY OF COMMUNICATION</b>		
<p>On 5-11-87 I contacted the City of Sumter Chamber of Commerce to obtain information regarding population within the city limits of Sumter. According to the latest figures for the City of Sumter (1985) estimates for population within the city limits is 30,000 residents (1984) U.S. Census figures for the city of Sumter is 24,800.</p>		
<b>CONCLUSIONS, ACTION TAKEN OR REQUIRED</b>		
<b>INFORMATION COPIES</b>		
<b>TO:</b>		



# South Carolina State Board of Health

## AUTHORITY MEMBERS

E. KENNETH AYCOCK, M.D. . . CHAIRMAN  
STATE HEALTH OFFICER, COLUMBIA  
E. H. WEBB . . . . . COTTON MFRS.  
WALLACE  
C. MARION SHIVER, JR. . . . FARMERS  
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CHARLESTON  
JOHN B. MARTIN, JR., M.D. . . HEALTH  
ANDERSON



## Pollution Control Authority

W. T. LINTON, EXECUTIVE DIRECTOR  
J. MARION SIMS BUILDING

Columbia, South Carolina 29201

March 13, 1970

## AUTHORITY MEMBERS

CARL W. GREGORY . . . . . LABO  
CHARLESTON  
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NEW ELLENTON  
H. H. CONNELLY . . . . . MUNICIPALITIES  
NEWBERRY  
WILLIAMS H. MILLER . PAPER AND PULP  
HARTSVILLE  
F. BARTOW CULP . . . . . WILDLIFE  
CHARLESTON

AREA CODE 803  
TELEPHONE: 758-8416

## MEMORANDUM

TO: Mr. W. G. Crosby  
FROM: Earl Powers  
SUBJECT: Sumter Dump

On March 5, 1970 an investigation was made of open burning at the Sumter Dump. The agent, Earl Powers, Air Pollution Control Division, observed a large tank truck dumping a green liquid into the swamp that fed into Green Swamp Creek. With him were two agents of the Solid Waste Disposal Section.

Four pictures were taken of the event.

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**SUPERFUND RECORD CENTER**

**DOCUMENT TRANSMITTAL FORM FOR SAS**

DATE: 12/29/94  
SITE NAME: SUMMITT INERT SITE  
SITE ID NUMBER: SCD981474729  
SAS NAME: BOZEMAN

**CHECK TYPE OF DOCUMENT:**

<input type="checkbox"/> SITE DISCOVERY INFO	<input checked="" type="checkbox"/> ESI PHASE II
<input type="checkbox"/> PA	<input type="checkbox"/> HRS PACKAGE
<input type="checkbox"/> SI	<input type="checkbox"/> CONFIDENTIAL
<input type="checkbox"/> SIP	<input type="checkbox"/> NEW SITE
<input type="checkbox"/> ESI PHASE I	<input type="checkbox"/> OTHER

**SPECIAL INSTRUCTION:** \_\_\_\_\_

**RECORD CENTER USE ONLY**

DATE CHECKED IN: \_\_\_\_\_ CHECKED IN BY: \_\_\_\_\_  
FILED BY: \_\_\_\_\_ DATE FILED: \_\_\_\_\_

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